

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30_S_10M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2575	Edge_1RB_Left	24.71	/	/	24.01	/	/	<=33	Pass
		Edge_1RB_Right	24.79	/	/	24.09	/	/	<=33	Pass
		Outer_Full	24.81	/	/	24.11	/	/	<=33	Pass
		Inner_Full	25.15	/	/	24.45	/	/	<=33	Pass
		Inner_1RB_Left	25.20	/	/	24.50	/	/	<=33	Pass
		Inner_1RB_Right	25.34	/	/	24.64	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.74	/	/	24.04	/	/	<=33	Pass
		Edge_1RB_Right	24.83	/	/	24.13	/	/	<=33	Pass
		Outer_Full	24.96	/	/	24.27	/	/	<=33	Pass
		Inner_Full	25.25	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	25.36	/	/	24.66	/	/	<=33	Pass
		Inner_1RB_Right	25.34	/	/	24.64	/	/	<=33	Pass
	2615	Edge_1RB_Left	24.78	/	/	24.08	/	/	<=33	Pass
		Edge_1RB_Right	24.80	/	/	24.10	/	/	<=33	Pass
		Outer_Full	25.00	/	/	24.30	/	/	<=33	Pass
		Inner_Full	25.37	/	/	24.67	/	/	<=33	Pass
		Inner_1RB_Left	25.26	/	/	24.56	/	/	<=33	Pass
		Inner_1RB_Right	25.37	/	/	24.67	/	/	<=33	Pass
DFT-s-OFDM QPSK	2575	Edge_1RB_Left	24.59	/	/	23.89	/	/	<=33	Pass
		Edge_1RB_Right	24.86	/	/	24.16	/	/	<=33	Pass
		Outer_Full	24.68	/	/	23.98	/	/	<=33	Pass
		Inner_Full	25.44	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Left	25.59	/	/	24.89	/	/	<=33	Pass
		Inner_1RB_Right	25.69	/	/	24.99	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.65	/	/	23.95	/	/	<=33	Pass
		Edge_1RB_Right	24.56	/	/	23.86	/	/	<=33	Pass
		Outer_Full	24.71	/	/	24.01	/	/	<=33	Pass
		Inner_Full	25.45	/	/	24.75	/	/	<=33	Pass
		Inner_1RB_Left	25.45	/	/	24.75	/	/	<=33	Pass
		Inner_1RB_Right	25.61	/	/	24.91	/	/	<=33	Pass
	2615	Edge_1RB_Left	24.79	/	/	24.09	/	/	<=33	Pass
		Edge_1RB_Right	24.82	/	/	24.12	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.03	/	/	<=33	Pass
		Inner_Full	25.48	/	/	24.78	/	/	<=33	Pass
		Inner_1RB_Left	25.50	/	/	24.80	/	/	<=33	Pass
		Inner_1RB_Right	25.38	/	/	24.68	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2575	Edge_1RB_Left	23.46	/	/	22.76	/	/	<=33	Pass
		Edge_1RB_Right	23.50	/	/	22.80	/	/	<=33	Pass
		Outer_Full	23.70	/	/	23.00	/	/	<=33	Pass
		Inner_Full	24.79	/	/	24.09	/	/	<=33	Pass
		Inner_1RB_Left	24.45	/	/	23.75	/	/	<=33	Pass
		Inner_1RB_Right	24.55	/	/	23.85	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.52	/	/	22.82	/	/	<=33	Pass
		Edge_1RB_Right	23.68	/	/	22.99	/	/	<=33	Pass
		Outer_Full	23.74	/	/	23.04	/	/	<=33	Pass
		Inner_Full	24.74	/	/	24.04	/	/	<=33	Pass
		Inner_1RB_Left	24.56	/	/	23.86	/	/	<=33	Pass
		Inner_1RB_Right	24.57	/	/	23.87	/	/	<=33	Pass
	2615	Edge_1RB_Left	23.47	/	/	22.77	/	/	<=33	Pass
		Edge_1RB_Right	23.59	/	/	22.89	/	/	<=33	Pass
		Outer_Full	23.58	/	/	22.88	/	/	<=33	Pass
		Inner_Full	24.68	/	/	23.98	/	/	<=33	Pass
		Inner_1RB_Left	24.48	/	/	23.78	/	/	<=33	Pass
		Inner_1RB_Right	24.52	/	/	23.82	/	/	<=33	Pass

DFT-s-OFDM 64 QAM	2575	Edge_1RB_Left	23.03	/	/	22.33	/	/	<=33	Pass
		Edge_1RB_Right	23.04	/	/	22.34	/	/	<=33	Pass
		Outer_Full	23.23	/	/	22.53	/	/	<=33	Pass
		Inner_Full	23.22	/	/	22.52	/	/	<=33	Pass
		Inner_1RB_Left	23.18	/	/	22.48	/	/	<=33	Pass
		Inner_1RB_Right	23.16	/	/	22.46	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.00	/	/	22.30	/	/	<=33	Pass
		Edge_1RB_Right	23.11	/	/	22.41	/	/	<=33	Pass
		Outer_Full	23.33	/	/	22.63	/	/	<=33	Pass
		Inner_Full	23.30	/	/	22.60	/	/	<=33	Pass
		Inner_1RB_Left	23.05	/	/	22.35	/	/	<=33	Pass
		Inner_1RB_Right	23.07	/	/	22.37	/	/	<=33	Pass
	2615	Edge_1RB_Left	23.20	/	/	22.50	/	/	<=33	Pass
		Edge_1RB_Right	23.13	/	/	22.43	/	/	<=33	Pass
		Outer_Full	23.27	/	/	22.58	/	/	<=33	Pass
		Inner_Full	23.23	/	/	22.53	/	/	<=33	Pass
		Inner_1RB_Left	23.23	/	/	22.54	/	/	<=33	Pass
		Inner_1RB_Right	23.19	/	/	22.49	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2575	Edge_1RB_Left	21.20	/	/	20.50	/	/	<=33	Pass
		Edge_1RB_Right	21.25	/	/	20.56	/	/	<=33	Pass
		Outer_Full	21.34	/	/	20.65	/	/	<=33	Pass
		Inner_Full	20.98	/	/	20.29	/	/	<=33	Pass
		Inner_1RB_Left	21.26	/	/	20.56	/	/	<=33	Pass
		Inner_1RB_Right	21.29	/	/	20.59	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.35	/	/	20.65	/	/	<=33	Pass
		Edge_1RB_Right	21.26	/	/	20.56	/	/	<=33	Pass
		Outer_Full	21.32	/	/	20.63	/	/	<=33	Pass
		Inner_Full	21.05	/	/	20.35	/	/	<=33	Pass
		Inner_1RB_Left	21.25	/	/	20.55	/	/	<=33	Pass
		Inner_1RB_Right	21.29	/	/	20.59	/	/	<=33	Pass
	2615	Edge_1RB_Left	21.30	/	/	20.60	/	/	<=33	Pass
		Edge_1RB_Right	21.24	/	/	20.54	/	/	<=33	Pass
		Outer_Full	20.98	/	/	20.28	/	/	<=33	Pass
		Inner_Full	21.00	/	/	20.30	/	/	<=33	Pass
		Inner_1RB_Left	21.30	/	/	20.60	/	/	<=33	Pass
		Inner_1RB_Right	21.35	/	/	20.65	/	/	<=33	Pass
CP-OFDM QPSK	2575	Edge_1RB_Left	22.30	/	/	21.60	/	/	<=33	Pass
		Edge_1RB_Right	22.34	/	/	21.64	/	/	<=33	Pass
		Outer_Full	22.69	/	/	21.99	/	/	<=33	Pass
		Inner_Full	24.18	/	/	23.48	/	/	<=33	Pass
		Inner_1RB_Left	24.13	/	/	23.43	/	/	<=33	Pass
		Inner_1RB_Right	24.11	/	/	23.41	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.26	/	/	21.56	/	/	<=33	Pass
		Edge_1RB_Right	22.39	/	/	21.69	/	/	<=33	Pass
		Outer_Full	22.80	/	/	22.10	/	/	<=33	Pass
		Inner_Full	24.35	/	/	23.65	/	/	<=33	Pass
		Inner_1RB_Left	24.22	/	/	23.52	/	/	<=33	Pass
		Inner_1RB_Right	24.18	/	/	23.48	/	/	<=33	Pass
	2615	Edge_1RB_Left	22.30	/	/	21.60	/	/	<=33	Pass
		Edge_1RB_Right	22.32	/	/	21.62	/	/	<=33	Pass
		Outer_Full	22.81	/	/	22.11	/	/	<=33	Pass
		Inner_Full	24.24	/	/	23.54	/	/	<=33	Pass
		Inner_1RB_Left	24.07	/	/	23.37	/	/	<=33	Pass
		Inner_1RB_Right	24.10	/	/	23.40	/	/	<=33	Pass
CP-OFDM 16 QAM	2575	Edge_1RB_Left	22.43	/	/	21.73	/	/	<=33	Pass
		Edge_1RB_Right	22.59	/	/	21.89	/	/	<=33	Pass
		Outer_Full	22.62	/	/	21.93	/	/	<=33	Pass
		Inner_Full	23.62	/	/	22.92	/	/	<=33	Pass
		Inner_1RB_Left	23.51	/	/	22.81	/	/	<=33	Pass
		Inner_1RB_Right	23.64	/	/	22.94	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.55	/	/	21.85	/	/	<=33	Pass
		Edge_1RB_Right	22.61	/	/	21.91	/	/	<=33	Pass
		Outer_Full	22.55	/	/	21.85	/	/	<=33	Pass
		Inner_Full	23.66	/	/	22.96	/	/	<=33	Pass

		Inner_1RB_Left	23.70	/	/	23.00	/	/	<=33	Pass
		Inner_1RB_Right	23.62	/	/	22.92	/	/	<=33	Pass
	2615	Edge_1RB_Left	22.36	/	/	21.66	/	/	<=33	Pass
		Edge_1RB_Right	22.51	/	/	21.81	/	/	<=33	Pass
		Outer_Full	22.71	/	/	22.02	/	/	<=33	Pass
		Inner_Full	23.67	/	/	22.97	/	/	<=33	Pass
		Inner_1RB_Left	23.47	/	/	22.77	/	/	<=33	Pass
		Inner_1RB_Right	23.76	/	/	23.06	/	/	<=33	Pass
CP-OFDM 64 QAM	2575	Edge_1RB_Left	22.29	/	/	21.59	/	/	<=33	Pass
		Edge_1RB_Right	22.35	/	/	21.65	/	/	<=33	Pass
		Outer_Full	22.16	/	/	21.46	/	/	<=33	Pass
		Inner_Full	22.43	/	/	21.74	/	/	<=33	Pass
		Inner_1RB_Left	22.38	/	/	21.68	/	/	<=33	Pass
		Inner_1RB_Right	22.40	/	/	21.70	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.35	/	/	21.65	/	/	<=33	Pass
		Edge_1RB_Right	22.35	/	/	21.65	/	/	<=33	Pass
		Outer_Full	22.25	/	/	21.55	/	/	<=33	Pass
		Inner_Full	22.17	/	/	21.47	/	/	<=33	Pass
		Inner_1RB_Left	22.34	/	/	21.64	/	/	<=33	Pass
		Inner_1RB_Right	22.40	/	/	21.70	/	/	<=33	Pass
	2615	Edge_1RB_Left	22.36	/	/	21.66	/	/	<=33	Pass
		Edge_1RB_Right	22.39	/	/	21.69	/	/	<=33	Pass
		Outer_Full	22.19	/	/	21.49	/	/	<=33	Pass
		Inner_Full	22.22	/	/	21.52	/	/	<=33	Pass
		Inner_1RB_Left	22.38	/	/	21.68	/	/	<=33	Pass
		Inner_1RB_Right	22.45	/	/	21.75	/	/	<=33	Pass
CP-OFDM 256 QAM	2575	Edge_1RB_Left	19.42	/	/	18.72	/	/	<=33	Pass
		Edge_1RB_Right	19.48	/	/	18.78	/	/	<=33	Pass
		Outer_Full	19.15	/	/	18.45	/	/	<=33	Pass
		Inner_Full	19.13	/	/	18.43	/	/	<=33	Pass
		Inner_1RB_Left	19.47	/	/	18.77	/	/	<=33	Pass
		Inner_1RB_Right	19.55	/	/	18.85	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.49	/	/	18.79	/	/	<=33	Pass
		Edge_1RB_Right	19.54	/	/	18.84	/	/	<=33	Pass
		Outer_Full	19.14	/	/	18.44	/	/	<=33	Pass
		Inner_Full	19.02	/	/	18.33	/	/	<=33	Pass
		Inner_1RB_Left	19.54	/	/	18.84	/	/	<=33	Pass
		Inner_1RB_Right	19.60	/	/	18.90	/	/	<=33	Pass
	2615	Edge_1RB_Left	19.43	/	/	18.73	/	/	<=33	Pass
		Edge_1RB_Right	19.59	/	/	18.90	/	/	<=33	Pass
		Outer_Full	19.22	/	/	18.52	/	/	<=33	Pass
		Inner_Full	18.98	/	/	18.29	/	/	<=33	Pass
		Inner_1RB_Left	19.49	/	/	18.79	/	/	<=33	Pass
		Inner_1RB_Right	19.58	/	/	18.88	/	/	<=33	Pass
Note1: Antenna Gain: Ant4: -0.70dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 30_S_15M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 15MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2577.5	Edge_1RB_Left	24.52	/	/	23.82	/	/	<=33	Pass
		Edge_1RB_Right	24.60	/	/	23.90	/	/	<=33	Pass
		Outer_Full	24.69	/	/	23.99	/	/	<=33	Pass
		Inner_Full	25.12	/	/	24.42	/	/	<=33	Pass
		Inner_1RB_Left	25.03	/	/	24.33	/	/	<=33	Pass
		Inner_1RB_Right	25.09	/	/	24.39	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.68	/	/	23.98	/	/	<=33	Pass
		Edge_1RB_Right	24.64	/	/	23.94	/	/	<=33	Pass
		Outer_Full	24.70	/	/	24.00	/	/	<=33	Pass
		Inner_Full	25.29	/	/	24.59	/	/	<=33	Pass

		Inner_1RB_Left	25.12	/	/	24.42	/	/	<=33	Pass
		Inner_1RB_Right	25.20	/	/	24.50	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	24.68	/	/	23.98	/	/	<=33	Pass
		Edge_1RB_Right	24.70	/	/	24.01	/	/	<=33	Pass
		Outer_Full	24.77	/	/	24.07	/	/	<=33	Pass
		Inner_Full	25.25	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	25.17	/	/	24.47	/	/	<=33	Pass
		Inner_1RB_Right	25.22	/	/	24.52	/	/	<=33	Pass
DFT-s-OFDM QPSK	2577.5	Edge_1RB_Left	24.77	/	/	24.07	/	/	<=33	Pass
		Edge_1RB_Right	24.86	/	/	24.16	/	/	<=33	Pass
		Outer_Full	24.59	/	/	23.89	/	/	<=33	Pass
		Inner_Full	25.60	/	/	24.90	/	/	<=33	Pass
		Inner_1RB_Left	25.42	/	/	24.72	/	/	<=33	Pass
		Inner_1RB_Right	25.31	/	/	24.61	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.85	/	/	24.15	/	/	<=33	Pass
		Edge_1RB_Right	24.81	/	/	24.11	/	/	<=33	Pass
		Outer_Full	24.75	/	/	24.05	/	/	<=33	Pass
		Inner_Full	25.43	/	/	24.73	/	/	<=33	Pass
		Inner_1RB_Left	25.44	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Right	25.40	/	/	24.70	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	24.79	/	/	24.09	/	/	<=33	Pass
		Edge_1RB_Right	24.78	/	/	24.08	/	/	<=33	Pass
		Outer_Full	24.67	/	/	23.97	/	/	<=33	Pass
		Inner_Full	25.51	/	/	24.81	/	/	<=33	Pass
		Inner_1RB_Left	25.46	/	/	24.76	/	/	<=33	Pass
		Inner_1RB_Right	25.33	/	/	24.63	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2577.5	Edge_1RB_Left	23.48	/	/	22.78	/	/	<=33	Pass
		Edge_1RB_Right	23.65	/	/	22.95	/	/	<=33	Pass
		Outer_Full	23.68	/	/	22.98	/	/	<=33	Pass
		Inner_Full	24.59	/	/	23.89	/	/	<=33	Pass
		Inner_1RB_Left	24.54	/	/	23.84	/	/	<=33	Pass
		Inner_1RB_Right	24.58	/	/	23.88	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.55	/	/	22.85	/	/	<=33	Pass
		Edge_1RB_Right	23.63	/	/	22.93	/	/	<=33	Pass
		Outer_Full	23.76	/	/	23.06	/	/	<=33	Pass
		Inner_Full	24.66	/	/	23.96	/	/	<=33	Pass
		Inner_1RB_Left	24.48	/	/	23.78	/	/	<=33	Pass
		Inner_1RB_Right	24.46	/	/	23.76	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	23.43	/	/	22.74	/	/	<=33	Pass
		Edge_1RB_Right	23.69	/	/	22.99	/	/	<=33	Pass
		Outer_Full	23.79	/	/	23.09	/	/	<=33	Pass
		Inner_Full	24.55	/	/	23.85	/	/	<=33	Pass
		Inner_1RB_Left	24.53	/	/	23.83	/	/	<=33	Pass
		Inner_1RB_Right	24.59	/	/	23.89	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2577.5	Edge_1RB_Left	22.90	/	/	22.20	/	/	<=33	Pass
		Edge_1RB_Right	23.00	/	/	22.30	/	/	<=33	Pass
		Outer_Full	23.31	/	/	22.61	/	/	<=33	Pass
		Inner_Full	23.20	/	/	22.50	/	/	<=33	Pass
		Inner_1RB_Left	22.96	/	/	22.26	/	/	<=33	Pass
		Inner_1RB_Right	22.94	/	/	22.24	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.14	/	/	22.44	/	/	<=33	Pass
		Edge_1RB_Right	23.03	/	/	22.33	/	/	<=33	Pass
		Outer_Full	23.34	/	/	22.64	/	/	<=33	Pass
		Inner_Full	23.27	/	/	22.57	/	/	<=33	Pass
		Inner_1RB_Left	22.97	/	/	22.27	/	/	<=33	Pass
		Inner_1RB_Right	23.19	/	/	22.49	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	22.96	/	/	22.26	/	/	<=33	Pass
		Edge_1RB_Right	23.16	/	/	22.46	/	/	<=33	Pass
		Outer_Full	23.30	/	/	22.60	/	/	<=33	Pass
		Inner_Full	23.23	/	/	22.53	/	/	<=33	Pass
		Inner_1RB_Left	23.13	/	/	22.43	/	/	<=33	Pass
		Inner_1RB_Right	22.96	/	/	22.26	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2577.5	Edge_1RB_Left	21.28	/	/	20.58	/	/	<=33	Pass
		Edge_1RB_Right	21.25	/	/	20.55	/	/	<=33	Pass

		Outer_Full	21.25	/	/	20.55	/	/	<=33	Pass
		Inner_Full	21.15	/	/	20.45	/	/	<=33	Pass
		Inner_1RB_Left	21.21	/	/	20.51	/	/	<=33	Pass
		Inner_1RB_Right	21.28	/	/	20.58	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.16	/	/	20.46	/	/	<=33	Pass
		Edge_1RB_Right	21.17	/	/	20.47	/	/	<=33	Pass
		Outer_Full	21.27	/	/	20.57	/	/	<=33	Pass
		Inner_Full	21.22	/	/	20.52	/	/	<=33	Pass
	2612.5	Inner_1RB_Left	21.23	/	/	20.53	/	/	<=33	Pass
		Inner_1RB_Right	21.19	/	/	20.49	/	/	<=33	Pass
		Edge_1RB_Left	21.26	/	/	20.56	/	/	<=33	Pass
		Edge_1RB_Right	21.25	/	/	20.55	/	/	<=33	Pass
		Outer_Full	21.16	/	/	20.46	/	/	<=33	Pass
		Inner_Full	21.25	/	/	20.55	/	/	<=33	Pass
		Inner_1RB_Left	21.13	/	/	20.43	/	/	<=33	Pass
		Inner_1RB_Right	21.28	/	/	20.58	/	/	<=33	Pass
CP-OFDM QPSK	2577.5	Edge_1RB_Left	22.12	/	/	21.42	/	/	<=33	Pass
		Edge_1RB_Right	22.14	/	/	21.44	/	/	<=33	Pass
		Outer_Full	22.72	/	/	22.02	/	/	<=33	Pass
		Inner_Full	24.17	/	/	23.47	/	/	<=33	Pass
	2595	Inner_1RB_Left	23.93	/	/	23.23	/	/	<=33	Pass
		Inner_1RB_Right	24.11	/	/	23.41	/	/	<=33	Pass
		Edge_1RB_Left	22.08	/	/	21.38	/	/	<=33	Pass
		Edge_1RB_Right	22.23	/	/	21.53	/	/	<=33	Pass
	2612.5	Outer_Full	22.77	/	/	22.07	/	/	<=33	Pass
		Inner_Full	24.21	/	/	23.51	/	/	<=33	Pass
		Inner_1RB_Left	23.91	/	/	23.22	/	/	<=33	Pass
		Inner_1RB_Right	23.96	/	/	23.26	/	/	<=33	Pass
CP-OFDM 16 QAM	2577.5	Edge_1RB_Left	22.04	/	/	21.34	/	/	<=33	Pass
		Edge_1RB_Right	22.16	/	/	21.46	/	/	<=33	Pass
		Outer_Full	22.80	/	/	22.10	/	/	<=33	Pass
		Inner_Full	24.24	/	/	23.54	/	/	<=33	Pass
	2595	Inner_1RB_Left	23.92	/	/	23.22	/	/	<=33	Pass
		Inner_1RB_Right	24.03	/	/	23.33	/	/	<=33	Pass
		Edge_1RB_Left	22.46	/	/	21.76	/	/	<=33	Pass
		Edge_1RB_Right	22.41	/	/	21.71	/	/	<=33	Pass
	2612.5	Outer_Full	22.67	/	/	21.97	/	/	<=33	Pass
		Inner_Full	23.69	/	/	22.99	/	/	<=33	Pass
		Inner_1RB_Left	23.47	/	/	22.77	/	/	<=33	Pass
		Inner_1RB_Right	23.42	/	/	22.72	/	/	<=33	Pass
CP-OFDM 64 QAM	2577.5	Edge_1RB_Left	22.55	/	/	21.85	/	/	<=33	Pass
		Edge_1RB_Right	22.46	/	/	21.77	/	/	<=33	Pass
		Outer_Full	22.73	/	/	22.03	/	/	<=33	Pass
		Inner_Full	23.69	/	/	22.99	/	/	<=33	Pass
	2595	Inner_1RB_Left	23.69	/	/	22.99	/	/	<=33	Pass
		Inner_1RB_Right	23.69	/	/	22.99	/	/	<=33	Pass
		Edge_1RB_Left	22.65	/	/	21.95	/	/	<=33	Pass
		Edge_1RB_Right	22.58	/	/	21.88	/	/	<=33	Pass
	2612.5	Outer_Full	22.73	/	/	22.03	/	/	<=33	Pass
		Inner_Full	23.74	/	/	23.04	/	/	<=33	Pass
		Inner_1RB_Left	23.54	/	/	22.84	/	/	<=33	Pass
		Inner_1RB_Right	23.50	/	/	22.80	/	/	<=33	Pass
CP-OFDM 64 QAM	2577.5	Edge_1RB_Left	22.20	/	/	21.50	/	/	<=33	Pass
		Edge_1RB_Right	22.25	/	/	21.55	/	/	<=33	Pass
		Outer_Full	22.24	/	/	21.54	/	/	<=33	Pass
		Inner_Full	22.22	/	/	21.52	/	/	<=33	Pass
	2595	Inner_1RB_Left	22.23	/	/	21.53	/	/	<=33	Pass
		Inner_1RB_Right	22.28	/	/	21.58	/	/	<=33	Pass
		Edge_1RB_Left	22.15	/	/	21.45	/	/	<=33	Pass
		Edge_1RB_Right	22.21	/	/	21.51	/	/	<=33	Pass
		Outer_Full	22.29	/	/	21.59	/	/	<=33	Pass
		Inner_Full	22.28	/	/	21.58	/	/	<=33	Pass
		Inner_1RB_Left	22.20	/	/	21.50	/	/	<=33	Pass
		Inner_1RB_Right	22.25	/	/	21.55	/	/	<=33	Pass

	2612.5	Edge_1RB_Left	22.15	/	/	21.45	/	/	<=33	Pass
		Edge_1RB_Right	22.20	/	/	21.50	/	/	<=33	Pass
		Outer_Full	22.32	/	/	21.62	/	/	<=33	Pass
		Inner_Full	22.16	/	/	21.46	/	/	<=33	Pass
		Inner_1RB_Left	22.27	/	/	21.58	/	/	<=33	Pass
		Inner_1RB_Right	22.24	/	/	21.54	/	/	<=33	Pass
CP-OFDM 256 QAM	2577.5	Edge_1RB_Left	19.32	/	/	18.62	/	/	<=33	Pass
		Edge_1RB_Right	19.32	/	/	18.62	/	/	<=33	Pass
		Outer_Full	19.33	/	/	18.63	/	/	<=33	Pass
		Inner_Full	19.26	/	/	18.56	/	/	<=33	Pass
		Inner_1RB_Left	19.34	/	/	18.64	/	/	<=33	Pass
		Inner_1RB_Right	19.38	/	/	18.68	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.28	/	/	18.58	/	/	<=33	Pass
		Edge_1RB_Right	19.32	/	/	18.62	/	/	<=33	Pass
		Outer_Full	19.26	/	/	18.56	/	/	<=33	Pass
		Inner_Full	19.19	/	/	18.49	/	/	<=33	Pass
		Inner_1RB_Left	19.33	/	/	18.63	/	/	<=33	Pass
		Inner_1RB_Right	19.40	/	/	18.70	/	/	<=33	Pass
	2612.5	Edge_1RB_Left	19.33	/	/	18.63	/	/	<=33	Pass
		Edge_1RB_Right	19.37	/	/	18.67	/	/	<=33	Pass
		Outer_Full	19.33	/	/	18.63	/	/	<=33	Pass
		Inner_Full	19.20	/	/	18.50	/	/	<=33	Pass
		Inner_1RB_Left	19.32	/	/	18.62	/	/	<=33	Pass
		Inner_1RB_Right	19.31	/	/	18.61	/	/	<=33	Pass
Note1: Antenna Gain: Ant4: -0.70dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 30_S_20M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2580	Edge_1RB_Left	24.52	/	/	23.82	/	/	<=33	Pass
		Edge_1RB_Right	24.65	/	/	23.95	/	/	<=33	Pass
		Outer_Full	24.65	/	/	23.95	/	/	<=33	Pass
		Inner_Full	25.07	/	/	24.37	/	/	<=33	Pass
		Inner_1RB_Left	25.04	/	/	24.34	/	/	<=33	Pass
		Inner_1RB_Right	25.19	/	/	24.49	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.55	/	/	23.85	/	/	<=33	Pass
		Edge_1RB_Right	24.76	/	/	24.06	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.03	/	/	<=33	Pass
		Inner_Full	25.30	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Left	24.97	/	/	24.27	/	/	<=33	Pass
		Inner_1RB_Right	25.09	/	/	24.40	/	/	<=33	Pass
	2610	Edge_1RB_Left	24.55	/	/	23.86	/	/	<=33	Pass
		Edge_1RB_Right	24.74	/	/	24.04	/	/	<=33	Pass
		Outer_Full	24.76	/	/	24.06	/	/	<=33	Pass
		Inner_Full	25.30	/	/	24.60	/	/	<=33	Pass
		Inner_1RB_Left	25.03	/	/	24.33	/	/	<=33	Pass
		Inner_1RB_Right	25.10	/	/	24.40	/	/	<=33	Pass
DFT-s-OFDM QPSK	2580	Edge_1RB_Left	24.79	/	/	24.09	/	/	<=33	Pass
		Edge_1RB_Right	24.88	/	/	24.18	/	/	<=33	Pass
		Outer_Full	24.63	/	/	23.93	/	/	<=33	Pass
		Inner_Full	25.39	/	/	24.69	/	/	<=33	Pass
		Inner_1RB_Left	25.31	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Right	25.29	/	/	24.59	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.88	/	/	24.18	/	/	<=33	Pass
		Edge_1RB_Right	24.89	/	/	24.20	/	/	<=33	Pass
		Outer_Full	24.70	/	/	24.00	/	/	<=33	Pass
		Inner_Full	25.38	/	/	24.68	/	/	<=33	Pass
		Inner_1RB_Left	25.41	/	/	24.71	/	/	<=33	Pass
		Inner_1RB_Right	25.32	/	/	24.62	/	/	<=33	Pass

	2610	Edge_1RB_Left	24.83	/	/	24.13	/	/	<=33	Pass
		Edge_1RB_Right	24.84	/	/	24.15	/	/	<=33	Pass
		Outer_Full	24.67	/	/	23.97	/	/	<=33	Pass
		Inner_Full	25.33	/	/	24.63	/	/	<=33	Pass
		Inner_1RB_Left	25.39	/	/	24.69	/	/	<=33	Pass
		Inner_1RB_Right	25.21	/	/	24.51	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2580	Edge_1RB_Left	23.54	/	/	22.84	/	/	<=33	Pass
		Edge_1RB_Right	23.58	/	/	22.88	/	/	<=33	Pass
		Outer_Full	23.73	/	/	23.04	/	/	<=33	Pass
		Inner_Full	24.69	/	/	23.99	/	/	<=33	Pass
		Inner_1RB_Left	24.50	/	/	23.80	/	/	<=33	Pass
		Inner_1RB_Right	24.56	/	/	23.86	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.52	/	/	22.82	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	22.94	/	/	<=33	Pass
		Outer_Full	23.73	/	/	23.03	/	/	<=33	Pass
		Inner_Full	24.71	/	/	24.01	/	/	<=33	Pass
		Inner_1RB_Left	24.55	/	/	23.85	/	/	<=33	Pass
		Inner_1RB_Right	24.50	/	/	23.80	/	/	<=33	Pass
	2610	Edge_1RB_Left	23.43	/	/	22.73	/	/	<=33	Pass
		Edge_1RB_Right	23.50	/	/	22.80	/	/	<=33	Pass
		Outer_Full	23.79	/	/	23.09	/	/	<=33	Pass
		Inner_Full	24.68	/	/	23.98	/	/	<=33	Pass
		Inner_1RB_Left	24.54	/	/	23.84	/	/	<=33	Pass
		Inner_1RB_Right	24.57	/	/	23.87	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2580	Edge_1RB_Left	22.90	/	/	22.20	/	/	<=33	Pass
		Edge_1RB_Right	22.99	/	/	22.29	/	/	<=33	Pass
		Outer_Full	23.28	/	/	22.58	/	/	<=33	Pass
		Inner_Full	23.39	/	/	22.69	/	/	<=33	Pass
		Inner_1RB_Left	22.96	/	/	22.26	/	/	<=33	Pass
		Inner_1RB_Right	23.04	/	/	22.34	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.07	/	/	22.38	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	22.28	/	/	<=33	Pass
		Outer_Full	23.25	/	/	22.56	/	/	<=33	Pass
		Inner_Full	23.30	/	/	22.60	/	/	<=33	Pass
		Inner_1RB_Left	22.86	/	/	22.16	/	/	<=33	Pass
		Inner_1RB_Right	23.00	/	/	22.30	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.92	/	/	22.22	/	/	<=33	Pass
		Edge_1RB_Right	23.01	/	/	22.31	/	/	<=33	Pass
		Outer_Full	23.22	/	/	22.52	/	/	<=33	Pass
		Inner_Full	23.30	/	/	22.60	/	/	<=33	Pass
		Inner_1RB_Left	23.09	/	/	22.39	/	/	<=33	Pass
		Inner_1RB_Right	22.92	/	/	22.22	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2580	Edge_1RB_Left	21.11	/	/	20.41	/	/	<=33	Pass
		Edge_1RB_Right	21.19	/	/	20.49	/	/	<=33	Pass
		Outer_Full	21.29	/	/	20.59	/	/	<=33	Pass
		Inner_Full	21.24	/	/	20.54	/	/	<=33	Pass
		Inner_1RB_Left	21.19	/	/	20.49	/	/	<=33	Pass
		Inner_1RB_Right	21.17	/	/	20.47	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.13	/	/	20.43	/	/	<=33	Pass
		Edge_1RB_Right	21.19	/	/	20.49	/	/	<=33	Pass
		Outer_Full	21.29	/	/	20.59	/	/	<=33	Pass
		Inner_Full	21.21	/	/	20.51	/	/	<=33	Pass
		Inner_1RB_Left	21.09	/	/	20.40	/	/	<=33	Pass
		Inner_1RB_Right	21.20	/	/	20.50	/	/	<=33	Pass
	2610	Edge_1RB_Left	21.12	/	/	20.42	/	/	<=33	Pass
		Edge_1RB_Right	21.19	/	/	20.49	/	/	<=33	Pass
		Outer_Full	21.31	/	/	20.61	/	/	<=33	Pass
		Inner_Full	21.18	/	/	20.48	/	/	<=33	Pass
		Inner_1RB_Left	21.19	/	/	20.49	/	/	<=33	Pass
		Inner_1RB_Right	21.27	/	/	20.57	/	/	<=33	Pass
CP-OFDM QPSK	2580	Edge_1RB_Left	22.09	/	/	21.39	/	/	<=33	Pass
		Edge_1RB_Right	22.14	/	/	21.45	/	/	<=33	Pass
		Outer_Full	22.77	/	/	22.07	/	/	<=33	Pass
		Inner_Full	24.25	/	/	23.55	/	/	<=33	Pass

		Inner_1RB_Left	23.88	/	/	23.18	/	/	<=33	Pass
		Inner_1RB_Right	24.04	/	/	23.34	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.16	/	/	21.46	/	/	<=33	Pass
		Edge_1RB_Right	22.10	/	/	21.40	/	/	<=33	Pass
		Outer_Full	22.77	/	/	22.07	/	/	<=33	Pass
		Inner_Full	24.31	/	/	23.61	/	/	<=33	Pass
		Inner_1RB_Left	23.84	/	/	23.14	/	/	<=33	Pass
		Inner_1RB_Right	23.94	/	/	23.24	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.03	/	/	21.33	/	/	<=33	Pass
		Edge_1RB_Right	22.03	/	/	21.33	/	/	<=33	Pass
		Outer_Full	22.84	/	/	22.14	/	/	<=33	Pass
		Inner_Full	24.21	/	/	23.51	/	/	<=33	Pass
		Inner_1RB_Left	23.87	/	/	23.17	/	/	<=33	Pass
		Inner_1RB_Right	24.04	/	/	23.34	/	/	<=33	Pass
CP-OFDM 16 QAM	2580	Edge_1RB_Left	22.42	/	/	21.72	/	/	<=33	Pass
		Edge_1RB_Right	22.55	/	/	21.85	/	/	<=33	Pass
		Outer_Full	22.72	/	/	22.02	/	/	<=33	Pass
		Inner_Full	23.74	/	/	23.04	/	/	<=33	Pass
		Inner_1RB_Left	23.34	/	/	22.64	/	/	<=33	Pass
		Inner_1RB_Right	23.43	/	/	22.74	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.39	/	/	21.69	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	21.98	/	/	<=33	Pass
		Outer_Full	22.76	/	/	22.06	/	/	<=33	Pass
		Inner_Full	23.84	/	/	23.14	/	/	<=33	Pass
		Inner_1RB_Left	23.38	/	/	22.68	/	/	<=33	Pass
		Inner_1RB_Right	23.53	/	/	22.83	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.53	/	/	21.83	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	21.98	/	/	<=33	Pass
		Outer_Full	22.79	/	/	22.09	/	/	<=33	Pass
		Inner_Full	23.82	/	/	23.12	/	/	<=33	Pass
		Inner_1RB_Left	23.60	/	/	22.90	/	/	<=33	Pass
		Inner_1RB_Right	23.52	/	/	22.82	/	/	<=33	Pass
CP-OFDM 64 QAM	2580	Edge_1RB_Left	22.10	/	/	21.40	/	/	<=33	Pass
		Edge_1RB_Right	22.25	/	/	21.55	/	/	<=33	Pass
		Outer_Full	22.26	/	/	21.56	/	/	<=33	Pass
		Inner_Full	22.32	/	/	21.62	/	/	<=33	Pass
		Inner_1RB_Left	22.14	/	/	21.44	/	/	<=33	Pass
		Inner_1RB_Right	22.24	/	/	21.54	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.16	/	/	21.47	/	/	<=33	Pass
		Edge_1RB_Right	22.21	/	/	21.51	/	/	<=33	Pass
		Outer_Full	22.23	/	/	21.53	/	/	<=33	Pass
		Inner_Full	22.26	/	/	21.56	/	/	<=33	Pass
		Inner_1RB_Left	22.14	/	/	21.44	/	/	<=33	Pass
		Inner_1RB_Right	22.26	/	/	21.56	/	/	<=33	Pass
	2610	Edge_1RB_Left	22.13	/	/	21.43	/	/	<=33	Pass
		Edge_1RB_Right	22.26	/	/	21.56	/	/	<=33	Pass
		Outer_Full	22.27	/	/	21.57	/	/	<=33	Pass
		Inner_Full	22.23	/	/	21.53	/	/	<=33	Pass
		Inner_1RB_Left	22.20	/	/	21.51	/	/	<=33	Pass
		Inner_1RB_Right	22.26	/	/	21.56	/	/	<=33	Pass
CP-OFDM 256 QAM	2580	Edge_1RB_Left	19.26	/	/	18.56	/	/	<=33	Pass
		Edge_1RB_Right	19.35	/	/	18.65	/	/	<=33	Pass
		Outer_Full	19.40	/	/	18.70	/	/	<=33	Pass
		Inner_Full	19.28	/	/	18.58	/	/	<=33	Pass
		Inner_1RB_Left	19.27	/	/	18.57	/	/	<=33	Pass
		Inner_1RB_Right	19.38	/	/	18.68	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.27	/	/	18.57	/	/	<=33	Pass
		Edge_1RB_Right	19.37	/	/	18.67	/	/	<=33	Pass
		Outer_Full	19.30	/	/	18.60	/	/	<=33	Pass
		Inner_Full	19.20	/	/	18.51	/	/	<=33	Pass
		Inner_1RB_Left	19.28	/	/	18.58	/	/	<=33	Pass
		Inner_1RB_Right	19.39	/	/	18.69	/	/	<=33	Pass
	2610	Edge_1RB_Left	19.31	/	/	18.61	/	/	<=33	Pass
		Edge_1RB_Right	19.35	/	/	18.65	/	/	<=33	Pass

		Outer_Full	19.34	/	/	18.64	/	/	<=33	Pass
		Inner_Full	19.25	/	/	18.55	/	/	<=33	Pass
		Inner_1RB_Left	19.31	/	/	18.61	/	/	<=33	Pass
		Inner_1RB_Right	19.39	/	/	18.69	/	/	<=33	Pass
Note1: Antenna Gain: Ant4: -0.70dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 30_S_25M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 25MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2582.5	Edge_1RB_Left	24.58	/	/	23.88	/	/	<=33	Pass
		Edge_1RB_Right	24.81	/	/	24.11	/	/	<=33	Pass
		Outer_Full	24.77	/	/	24.08	/	/	<=33	Pass
		Inner_Full	25.29	/	/	24.59	/	/	<=33	Pass
		Inner_1RB_Left	25.11	/	/	24.41	/	/	<=33	Pass
		Inner_1RB_Right	25.19	/	/	24.49	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.63	/	/	23.93	/	/	<=33	Pass
		Edge_1RB_Right	24.85	/	/	24.15	/	/	<=33	Pass
		Outer_Full	24.84	/	/	24.14	/	/	<=33	Pass
		Inner_Full	25.27	/	/	24.57	/	/	<=33	Pass
		Inner_1RB_Left	25.07	/	/	24.37	/	/	<=33	Pass
		Inner_1RB_Right	25.32	/	/	24.62	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	24.76	/	/	24.06	/	/	<=33	Pass
		Edge_1RB_Right	24.81	/	/	24.11	/	/	<=33	Pass
		Outer_Full	24.79	/	/	24.09	/	/	<=33	Pass
		Inner_Full	25.36	/	/	24.66	/	/	<=33	Pass
		Inner_1RB_Left	25.12	/	/	24.43	/	/	<=33	Pass
		Inner_1RB_Right	25.33	/	/	24.63	/	/	<=33	Pass
DFT-s-OFDM QPSK	2582.5	Edge_1RB_Left	24.93	/	/	24.23	/	/	<=33	Pass
		Edge_1RB_Right	24.98	/	/	24.29	/	/	<=33	Pass
		Outer_Full	24.76	/	/	24.06	/	/	<=33	Pass
		Inner_Full	25.40	/	/	24.70	/	/	<=33	Pass
		Inner_1RB_Left	25.44	/	/	24.74	/	/	<=33	Pass
		Inner_1RB_Right	25.00	/	/	24.30	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.94	/	/	24.24	/	/	<=33	Pass
		Edge_1RB_Right	24.99	/	/	24.29	/	/	<=33	Pass
		Outer_Full	24.81	/	/	24.11	/	/	<=33	Pass
		Inner_Full	25.46	/	/	24.76	/	/	<=33	Pass
		Inner_1RB_Left	25.37	/	/	24.67	/	/	<=33	Pass
		Inner_1RB_Right	25.05	/	/	24.35	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	24.92	/	/	24.22	/	/	<=33	Pass
		Edge_1RB_Right	24.98	/	/	24.28	/	/	<=33	Pass
		Outer_Full	24.79	/	/	24.09	/	/	<=33	Pass
		Inner_Full	25.20	/	/	24.50	/	/	<=33	Pass
		Inner_1RB_Left	25.36	/	/	24.67	/	/	<=33	Pass
		Inner_1RB_Right	25.32	/	/	24.62	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2582.5	Edge_1RB_Left	23.63	/	/	22.93	/	/	<=33	Pass
		Edge_1RB_Right	23.67	/	/	22.97	/	/	<=33	Pass
		Outer_Full	23.78	/	/	23.08	/	/	<=33	Pass
		Inner_Full	24.77	/	/	24.07	/	/	<=33	Pass
		Inner_1RB_Left	24.67	/	/	23.97	/	/	<=33	Pass
		Inner_1RB_Right	24.64	/	/	23.94	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.71	/	/	23.01	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	22.94	/	/	<=33	Pass
		Outer_Full	23.69	/	/	22.99	/	/	<=33	Pass
		Inner_Full	24.71	/	/	24.01	/	/	<=33	Pass
		Inner_1RB_Left	24.62	/	/	23.92	/	/	<=33	Pass
		Inner_1RB_Right	24.65	/	/	23.95	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	23.54	/	/	22.84	/	/	<=33	Pass
		Edge_1RB_Right	23.57	/	/	22.87	/	/	<=33	Pass

		Outer_Full	23.73	/	/	23.03	/	/	<=33	Pass
		Inner_Full	24.78	/	/	24.08	/	/	<=33	Pass
		Inner_1RB_Left	24.61	/	/	23.91	/	/	<=33	Pass
		Inner_1RB_Right	24.69	/	/	23.99	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2582.5	Edge_1RB_Left	22.99	/	/	22.29	/	/	<=33	Pass
		Edge_1RB_Right	23.22	/	/	22.52	/	/	<=33	Pass
		Outer_Full	23.36	/	/	22.66	/	/	<=33	Pass
		Inner_Full	23.39	/	/	22.69	/	/	<=33	Pass
		Inner_1RB_Left	22.88	/	/	22.18	/	/	<=33	Pass
		Inner_1RB_Right	23.00	/	/	22.30	/	/	<=33	Pass
		Edge_1RB_Left	23.05	/	/	22.35	/	/	<=33	Pass
		Edge_1RB_Right	23.05	/	/	22.35	/	/	<=33	Pass
	2595	Outer_Full	23.30	/	/	22.60	/	/	<=33	Pass
		Inner_Full	23.34	/	/	22.64	/	/	<=33	Pass
		Inner_1RB_Left	22.96	/	/	22.26	/	/	<=33	Pass
		Inner_1RB_Right	23.14	/	/	22.44	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	22.98	/	/	22.28	/	/	<=33	Pass
		Edge_1RB_Right	23.18	/	/	22.48	/	/	<=33	Pass
		Outer_Full	23.34	/	/	22.64	/	/	<=33	Pass
		Inner_Full	23.34	/	/	22.64	/	/	<=33	Pass
		Inner_1RB_Left	22.91	/	/	22.21	/	/	<=33	Pass
		Inner_1RB_Right	23.11	/	/	22.41	/	/	<=33	Pass
		Edge_1RB_Left	21.19	/	/	20.49	/	/	<=33	Pass
		Edge_1RB_Right	21.32	/	/	20.62	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2582.5	Outer_Full	21.31	/	/	20.61	/	/	<=33	Pass
		Inner_Full	21.28	/	/	20.58	/	/	<=33	Pass
		Inner_1RB_Left	21.20	/	/	20.50	/	/	<=33	Pass
		Inner_1RB_Right	21.32	/	/	20.62	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.26	/	/	20.56	/	/	<=33	Pass
		Edge_1RB_Right	21.23	/	/	20.53	/	/	<=33	Pass
		Outer_Full	21.28	/	/	20.58	/	/	<=33	Pass
		Inner_Full	21.28	/	/	20.58	/	/	<=33	Pass
		Inner_1RB_Left	21.27	/	/	20.57	/	/	<=33	Pass
		Inner_1RB_Right	21.24	/	/	20.54	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	21.18	/	/	20.48	/	/	<=33	Pass
		Edge_1RB_Right	21.25	/	/	20.55	/	/	<=33	Pass
		Outer_Full	21.28	/	/	20.58	/	/	<=33	Pass
		Inner_Full	21.25	/	/	20.55	/	/	<=33	Pass
		Inner_1RB_Left	21.17	/	/	20.47	/	/	<=33	Pass
		Inner_1RB_Right	21.17	/	/	20.47	/	/	<=33	Pass
CP-OFDM QPSK	2582.5	Edge_1RB_Left	22.31	/	/	21.61	/	/	<=33	Pass
		Edge_1RB_Right	22.30	/	/	21.61	/	/	<=33	Pass
		Outer_Full	22.74	/	/	22.04	/	/	<=33	Pass
		Inner_Full	24.30	/	/	23.61	/	/	<=33	Pass
		Inner_1RB_Left	24.30	/	/	23.60	/	/	<=33	Pass
		Inner_1RB_Right	24.13	/	/	23.43	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.30	/	/	21.60	/	/	<=33	Pass
		Edge_1RB_Right	22.29	/	/	21.59	/	/	<=33	Pass
		Outer_Full	22.72	/	/	22.02	/	/	<=33	Pass
		Inner_Full	24.23	/	/	23.53	/	/	<=33	Pass
		Inner_1RB_Left	24.08	/	/	23.38	/	/	<=33	Pass
		Inner_1RB_Right	24.09	/	/	23.39	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	22.28	/	/	21.58	/	/	<=33	Pass
		Edge_1RB_Right	22.31	/	/	21.61	/	/	<=33	Pass
		Outer_Full	22.72	/	/	22.02	/	/	<=33	Pass
		Inner_Full	24.21	/	/	23.52	/	/	<=33	Pass
		Inner_1RB_Left	24.21	/	/	23.51	/	/	<=33	Pass
		Inner_1RB_Right	24.17	/	/	23.47	/	/	<=33	Pass
CP-OFDM 16 QAM	2582.5	Edge_1RB_Left	22.57	/	/	21.87	/	/	<=33	Pass
		Edge_1RB_Right	22.68	/	/	21.98	/	/	<=33	Pass
		Outer_Full	22.79	/	/	22.09	/	/	<=33	Pass
		Inner_Full	23.78	/	/	23.08	/	/	<=33	Pass
		Inner_1RB_Left	23.56	/	/	22.86	/	/	<=33	Pass
		Inner_1RB_Right	23.74	/	/	23.04	/	/	<=33	Pass

	2595	Edge_1RB_Left	22.49	/	/	21.79	/	/	<=33	Pass
		Edge_1RB_Right	22.60	/	/	21.90	/	/	<=33	Pass
		Outer_Full	22.75	/	/	22.05	/	/	<=33	Pass
		Inner_Full	23.73	/	/	23.03	/	/	<=33	Pass
		Inner_1RB_Left	23.45	/	/	22.75	/	/	<=33	Pass
		Inner_1RB_Right	23.45	/	/	22.75	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	22.57	/	/	21.87	/	/	<=33	Pass
		Edge_1RB_Right	22.62	/	/	21.92	/	/	<=33	Pass
		Outer_Full	22.78	/	/	22.08	/	/	<=33	Pass
		Inner_Full	23.68	/	/	22.98	/	/	<=33	Pass
		Inner_1RB_Left	23.57	/	/	22.87	/	/	<=33	Pass
		Inner_1RB_Right	23.47	/	/	22.77	/	/	<=33	Pass
CP-OFDM 64 QAM	2582.5	Edge_1RB_Left	22.16	/	/	21.47	/	/	<=33	Pass
		Edge_1RB_Right	22.31	/	/	21.61	/	/	<=33	Pass
		Outer_Full	22.30	/	/	21.60	/	/	<=33	Pass
		Inner_Full	22.42	/	/	21.72	/	/	<=33	Pass
		Inner_1RB_Left	22.17	/	/	21.47	/	/	<=33	Pass
		Inner_1RB_Right	22.27	/	/	21.57	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.17	/	/	21.47	/	/	<=33	Pass
		Edge_1RB_Right	22.26	/	/	21.56	/	/	<=33	Pass
		Outer_Full	22.25	/	/	21.56	/	/	<=33	Pass
		Inner_Full	22.32	/	/	21.62	/	/	<=33	Pass
		Inner_1RB_Left	22.22	/	/	21.52	/	/	<=33	Pass
		Inner_1RB_Right	22.27	/	/	21.57	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	22.20	/	/	21.50	/	/	<=33	Pass
		Edge_1RB_Right	22.24	/	/	21.54	/	/	<=33	Pass
		Outer_Full	22.25	/	/	21.55	/	/	<=33	Pass
		Inner_Full	22.28	/	/	21.58	/	/	<=33	Pass
		Inner_1RB_Left	22.21	/	/	21.51	/	/	<=33	Pass
		Inner_1RB_Right	22.30	/	/	21.60	/	/	<=33	Pass
CP-OFDM 256 QAM	2582.5	Edge_1RB_Left	19.33	/	/	18.63	/	/	<=33	Pass
		Edge_1RB_Right	19.35	/	/	18.65	/	/	<=33	Pass
		Outer_Full	19.29	/	/	18.59	/	/	<=33	Pass
		Inner_Full	19.32	/	/	18.62	/	/	<=33	Pass
		Inner_1RB_Left	19.36	/	/	18.67	/	/	<=33	Pass
		Inner_1RB_Right	19.42	/	/	18.72	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.29	/	/	18.59	/	/	<=33	Pass
		Edge_1RB_Right	19.38	/	/	18.68	/	/	<=33	Pass
		Outer_Full	19.30	/	/	18.60	/	/	<=33	Pass
		Inner_Full	19.21	/	/	18.51	/	/	<=33	Pass
		Inner_1RB_Left	19.27	/	/	18.57	/	/	<=33	Pass
		Inner_1RB_Right	19.33	/	/	18.63	/	/	<=33	Pass
	2607.5	Edge_1RB_Left	19.31	/	/	18.61	/	/	<=33	Pass
		Edge_1RB_Right	19.43	/	/	18.73	/	/	<=33	Pass
		Outer_Full	19.26	/	/	18.56	/	/	<=33	Pass
		Inner_Full	19.27	/	/	18.57	/	/	<=33	Pass
		Inner_1RB_Left	19.33	/	/	18.63	/	/	<=33	Pass
		Inner_1RB_Right	19.39	/	/	18.69	/	/	<=33	Pass
Note1: Antenna Gain: Ant4: -0.70dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30_S_30M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2585	Edge_1RB_Left	24.58	/	/	23.88	/	/	<=33	Pass
		Edge_1RB_Right	24.66	/	/	23.96	/	/	<=33	Pass
		Outer_Full	24.74	/	/	24.04	/	/	<=33	Pass
		Inner_Full	25.19	/	/	24.49	/	/	<=33	Pass
		Inner_1RB_Left	25.15	/	/	24.45	/	/	<=33	Pass
		Inner_1RB_Right	25.14	/	/	24.44	/	/	<=33	Pass

	2595	Edge_1RB_Left	24.64	/	/	23.94	/	/	<=33	Pass
		Edge_1RB_Right	24.72	/	/	24.02	/	/	<=33	Pass
		Outer_Full	24.78	/	/	24.08	/	/	<=33	Pass
		Inner_Full	25.32	/	/	24.62	/	/	<=33	Pass
		Inner_1RB_Left	25.02	/	/	24.33	/	/	<=33	Pass
		Inner_1RB_Right	25.10	/	/	24.40	/	/	<=33	Pass
	2605	Edge_1RB_Left	24.60	/	/	23.90	/	/	<=33	Pass
		Edge_1RB_Right	24.85	/	/	24.15	/	/	<=33	Pass
		Outer_Full	24.78	/	/	24.08	/	/	<=33	Pass
		Inner_Full	25.31	/	/	24.61	/	/	<=33	Pass
		Inner_1RB_Left	25.05	/	/	24.35	/	/	<=33	Pass
		Inner_1RB_Right	25.28	/	/	24.58	/	/	<=33	Pass
DFT-s-OFDM QPSK	2585	Edge_1RB_Left	24.85	/	/	24.15	/	/	<=33	Pass
		Edge_1RB_Right	25.05	/	/	24.35	/	/	<=33	Pass
		Outer_Full	24.80	/	/	24.10	/	/	<=33	Pass
		Inner_Full	25.25	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	25.19	/	/	24.49	/	/	<=33	Pass
		Inner_1RB_Right	25.12	/	/	24.42	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.89	/	/	24.19	/	/	<=33	Pass
		Edge_1RB_Right	24.91	/	/	24.22	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.03	/	/	<=33	Pass
		Inner_Full	25.25	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	25.09	/	/	24.39	/	/	<=33	Pass
		Inner_1RB_Right	25.04	/	/	24.34	/	/	<=33	Pass
	2605	Edge_1RB_Left	25.00	/	/	24.30	/	/	<=33	Pass
		Edge_1RB_Right	24.93	/	/	24.23	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.03	/	/	<=33	Pass
		Inner_Full	25.51	/	/	24.81	/	/	<=33	Pass
		Inner_1RB_Left	25.39	/	/	24.69	/	/	<=33	Pass
		Inner_1RB_Right	25.14	/	/	24.45	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2585	Edge_1RB_Left	23.57	/	/	22.87	/	/	<=33	Pass
		Edge_1RB_Right	23.64	/	/	22.94	/	/	<=33	Pass
		Outer_Full	23.78	/	/	23.08	/	/	<=33	Pass
		Inner_Full	24.74	/	/	24.04	/	/	<=33	Pass
		Inner_1RB_Left	24.65	/	/	23.95	/	/	<=33	Pass
		Inner_1RB_Right	24.68	/	/	23.98	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.49	/	/	22.79	/	/	<=33	Pass
		Edge_1RB_Right	23.65	/	/	22.95	/	/	<=33	Pass
		Outer_Full	23.79	/	/	23.09	/	/	<=33	Pass
		Inner_Full	24.78	/	/	24.08	/	/	<=33	Pass
		Inner_1RB_Left	24.55	/	/	23.85	/	/	<=33	Pass
		Inner_1RB_Right	24.59	/	/	23.90	/	/	<=33	Pass
	2605	Edge_1RB_Left	23.54	/	/	22.84	/	/	<=33	Pass
		Edge_1RB_Right	23.60	/	/	22.90	/	/	<=33	Pass
		Outer_Full	23.75	/	/	23.05	/	/	<=33	Pass
		Inner_Full	24.80	/	/	24.10	/	/	<=33	Pass
		Inner_1RB_Left	24.55	/	/	23.85	/	/	<=33	Pass
		Inner_1RB_Right	24.62	/	/	23.93	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2585	Edge_1RB_Left	22.95	/	/	22.25	/	/	<=33	Pass
		Edge_1RB_Right	22.98	/	/	22.28	/	/	<=33	Pass
		Outer_Full	23.30	/	/	22.60	/	/	<=33	Pass
		Inner_Full	23.38	/	/	22.68	/	/	<=33	Pass
		Inner_1RB_Left	22.99	/	/	22.29	/	/	<=33	Pass
		Inner_1RB_Right	23.17	/	/	22.47	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.89	/	/	22.19	/	/	<=33	Pass
		Edge_1RB_Right	23.18	/	/	22.48	/	/	<=33	Pass
		Outer_Full	23.25	/	/	22.55	/	/	<=33	Pass
		Inner_Full	23.27	/	/	22.57	/	/	<=33	Pass
		Inner_1RB_Left	23.17	/	/	22.47	/	/	<=33	Pass
		Inner_1RB_Right	23.18	/	/	22.48	/	/	<=33	Pass
	2605	Edge_1RB_Left	22.93	/	/	22.23	/	/	<=33	Pass
		Edge_1RB_Right	23.03	/	/	22.33	/	/	<=33	Pass
		Outer_Full	23.25	/	/	22.55	/	/	<=33	Pass
		Inner_Full	23.31	/	/	22.61	/	/	<=33	Pass

		Inner_1RB_Left	22.95	/	/	22.25	/	/	<=33	Pass
		Inner_1RB_Right	23.16	/	/	22.46	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2585	Edge_1RB_Left	21.14	/	/	20.44	/	/	<=33	Pass
		Edge_1RB_Right	21.28	/	/	20.58	/	/	<=33	Pass
		Outer_Full	21.32	/	/	20.62	/	/	<=33	Pass
		Inner_Full	21.29	/	/	20.59	/	/	<=33	Pass
		Inner_1RB_Left	21.12	/	/	20.42	/	/	<=33	Pass
		Inner_1RB_Right	21.18	/	/	20.48	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.17	/	/	20.47	/	/	<=33	Pass
		Edge_1RB_Right	21.20	/	/	20.50	/	/	<=33	Pass
		Outer_Full	21.30	/	/	20.60	/	/	<=33	Pass
		Inner_Full	21.30	/	/	20.60	/	/	<=33	Pass
		Inner_1RB_Left	21.20	/	/	20.51	/	/	<=33	Pass
		Inner_1RB_Right	21.17	/	/	20.47	/	/	<=33	Pass
	2605	Edge_1RB_Left	21.17	/	/	20.47	/	/	<=33	Pass
		Edge_1RB_Right	21.18	/	/	20.48	/	/	<=33	Pass
		Outer_Full	21.22	/	/	20.52	/	/	<=33	Pass
		Inner_Full	21.26	/	/	20.56	/	/	<=33	Pass
		Inner_1RB_Left	21.13	/	/	20.43	/	/	<=33	Pass
		Inner_1RB_Right	21.22	/	/	20.52	/	/	<=33	Pass
CP-OFDM QPSK	2585	Edge_1RB_Left	22.28	/	/	21.58	/	/	<=33	Pass
		Edge_1RB_Right	22.26	/	/	21.56	/	/	<=33	Pass
		Outer_Full	22.77	/	/	22.07	/	/	<=33	Pass
		Inner_Full	24.25	/	/	23.56	/	/	<=33	Pass
		Inner_1RB_Left	24.10	/	/	23.40	/	/	<=33	Pass
		Inner_1RB_Right	24.17	/	/	23.47	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.17	/	/	21.47	/	/	<=33	Pass
		Edge_1RB_Right	22.22	/	/	21.52	/	/	<=33	Pass
		Outer_Full	22.75	/	/	22.05	/	/	<=33	Pass
		Inner_Full	24.19	/	/	23.49	/	/	<=33	Pass
		Inner_1RB_Left	24.19	/	/	23.49	/	/	<=33	Pass
		Inner_1RB_Right	24.08	/	/	23.38	/	/	<=33	Pass
	2605	Edge_1RB_Left	21.24	/	/	20.54	/	/	<=33	Pass
		Edge_1RB_Right	21.29	/	/	20.59	/	/	<=33	Pass
		Outer_Full	22.71	/	/	22.02	/	/	<=33	Pass
		Inner_Full	24.22	/	/	23.52	/	/	<=33	Pass
		Inner_1RB_Left	24.11	/	/	23.41	/	/	<=33	Pass
		Inner_1RB_Right	24.16	/	/	23.46	/	/	<=33	Pass
CP-OFDM 16 QAM	2585	Edge_1RB_Left	22.42	/	/	21.72	/	/	<=33	Pass
		Edge_1RB_Right	22.49	/	/	21.79	/	/	<=33	Pass
		Outer_Full	22.82	/	/	22.13	/	/	<=33	Pass
		Inner_Full	23.77	/	/	23.07	/	/	<=33	Pass
		Inner_1RB_Left	23.52	/	/	22.82	/	/	<=33	Pass
		Inner_1RB_Right	23.73	/	/	23.03	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.46	/	/	21.76	/	/	<=33	Pass
		Edge_1RB_Right	22.42	/	/	21.72	/	/	<=33	Pass
		Outer_Full	22.79	/	/	22.09	/	/	<=33	Pass
		Inner_Full	23.69	/	/	22.99	/	/	<=33	Pass
		Inner_1RB_Left	23.45	/	/	22.75	/	/	<=33	Pass
		Inner_1RB_Right	23.49	/	/	22.79	/	/	<=33	Pass
	2605	Edge_1RB_Left	22.49	/	/	21.79	/	/	<=33	Pass
		Edge_1RB_Right	22.44	/	/	21.74	/	/	<=33	Pass
		Outer_Full	22.76	/	/	22.06	/	/	<=33	Pass
		Inner_Full	23.70	/	/	23.00	/	/	<=33	Pass
		Inner_1RB_Left	23.51	/	/	22.81	/	/	<=33	Pass
		Inner_1RB_Right	23.45	/	/	22.75	/	/	<=33	Pass
CP-OFDM 64 QAM	2585	Edge_1RB_Left	22.17	/	/	21.47	/	/	<=33	Pass
		Edge_1RB_Right	22.19	/	/	21.49	/	/	<=33	Pass
		Outer_Full	22.33	/	/	21.63	/	/	<=33	Pass
		Inner_Full	22.36	/	/	21.66	/	/	<=33	Pass
		Inner_1RB_Left	22.20	/	/	21.50	/	/	<=33	Pass
		Inner_1RB_Right	22.29	/	/	21.59	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.15	/	/	21.45	/	/	<=33	Pass
		Edge_1RB_Right	22.15	/	/	21.45	/	/	<=33	Pass

		Outer_Full	22.31	/	/	21.61	/	/	<=33	Pass
		Inner_Full	22.26	/	/	21.56	/	/	<=33	Pass
		Inner_1RB_Left	22.21	/	/	21.51	/	/	<=33	Pass
		Inner_1RB_Right	22.30	/	/	21.60	/	/	<=33	Pass
	2605	Edge_1RB_Left	22.15	/	/	21.45	/	/	<=33	Pass
		Edge_1RB_Right	22.15	/	/	21.45	/	/	<=33	Pass
		Outer_Full	22.25	/	/	21.55	/	/	<=33	Pass
		Inner_Full	22.21	/	/	21.51	/	/	<=33	Pass
		Inner_1RB_Left	22.22	/	/	21.52	/	/	<=33	Pass
		Inner_1RB_Right	22.25	/	/	21.55	/	/	<=33	Pass
CP-OFDM 256 QAM	2585	Edge_1RB_Left	19.23	/	/	18.53	/	/	<=33	Pass
		Edge_1RB_Right	19.32	/	/	18.62	/	/	<=33	Pass
		Outer_Full	19.30	/	/	18.61	/	/	<=33	Pass
		Inner_Full	19.33	/	/	18.63	/	/	<=33	Pass
		Inner_1RB_Left	19.33	/	/	18.63	/	/	<=33	Pass
		Inner_1RB_Right	19.39	/	/	18.69	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.22	/	/	18.52	/	/	<=33	Pass
		Edge_1RB_Right	19.30	/	/	18.60	/	/	<=33	Pass
		Outer_Full	19.26	/	/	18.56	/	/	<=33	Pass
		Inner_Full	19.27	/	/	18.57	/	/	<=33	Pass
		Inner_1RB_Left	19.35	/	/	18.65	/	/	<=33	Pass
		Inner_1RB_Right	19.36	/	/	18.66	/	/	<=33	Pass
	2605	Edge_1RB_Left	19.23	/	/	18.53	/	/	<=33	Pass
		Edge_1RB_Right	19.36	/	/	18.66	/	/	<=33	Pass
		Outer_Full	19.20	/	/	18.50	/	/	<=33	Pass
		Inner_Full	19.24	/	/	18.54	/	/	<=33	Pass
		Inner_1RB_Left	19.29	/	/	18.59	/	/	<=33	Pass
		Inner_1RB_Right	19.38	/	/	18.68	/	/	<=33	Pass
	Note1: Antenna Gain: Ant4: -0.70dBi; Note2: EIRP=Conducted Power+Antenna Gain									

1.1.6 30_S_40M_NTNV_EIRP

5G NR n38 SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant4	Ant2	Sum	Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Edge_1RB_Left	24.61	/	/	23.91	/	/	<=33	Pass
		Edge_1RB_Right	24.81	/	/	24.11	/	/	<=33	Pass
		Outer_Full	24.67	/	/	23.97	/	/	<=33	Pass
		Inner_Full	25.25	/	/	24.55	/	/	<=33	Pass
		Inner_1RB_Left	25.03	/	/	24.33	/	/	<=33	Pass
		Inner_1RB_Right	25.29	/	/	24.59	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.61	/	/	23.91	/	/	<=33	Pass
		Edge_1RB_Right	24.89	/	/	24.19	/	/	<=33	Pass
		Outer_Full	24.73	/	/	24.03	/	/	<=33	Pass
		Inner_Full	25.27	/	/	24.57	/	/	<=33	Pass
		Inner_1RB_Left	25.16	/	/	24.46	/	/	<=33	Pass
		Inner_1RB_Right	25.24	/	/	24.54	/	/	<=33	Pass
	2600	Edge_1RB_Left	24.61	/	/	23.91	/	/	<=33	Pass
		Edge_1RB_Right	24.83	/	/	24.13	/	/	<=33	Pass
		Outer_Full	24.78	/	/	24.08	/	/	<=33	Pass
		Inner_Full	25.26	/	/	24.56	/	/	<=33	Pass
		Inner_1RB_Left	25.04	/	/	24.34	/	/	<=33	Pass
		Inner_1RB_Right	25.33	/	/	24.63	/	/	<=33	Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	24.88	/	/	24.18	/	/	<=33	Pass
		Edge_1RB_Right	24.04	/	/	23.34	/	/	<=33	Pass
		Outer_Full	24.74	/	/	24.04	/	/	<=33	Pass
		Inner_Full	24.79	/	/	24.09	/	/	<=33	Pass
		Inner_1RB_Left	24.86	/	/	24.16	/	/	<=33	Pass
		Inner_1RB_Right	24.91	/	/	24.21	/	/	<=33	Pass
	2595	Edge_1RB_Left	24.73	/	/	24.03	/	/	<=33	Pass
		Edge_1RB_Right	24.06	/	/	23.36	/	/	<=33	Pass

		Outer_Full	24.76	/	/	24.06	/	/	<=33	Pass
		Inner_Full	24.76	/	/	24.06	/	/	<=33	Pass
		Inner_1RB_Left	25.03	/	/	24.33	/	/	<=33	Pass
		Inner_1RB_Right	25.02	/	/	24.32	/	/	<=33	Pass
	2600	Edge_1RB_Left	24.02	/	/	23.32	/	/	<=33	Pass
		Edge_1RB_Right	24.79	/	/	24.09	/	/	<=33	Pass
		Outer_Full	24.74	/	/	24.04	/	/	<=33	Pass
		Inner_Full	24.79	/	/	24.09	/	/	<=33	Pass
		Inner_1RB_Left	24.90	/	/	24.20	/	/	<=33	Pass
		Inner_1RB_Right	25.04	/	/	24.34	/	/	<=33	Pass
		Edge_1RB_Left	23.58	/	/	22.88	/	/	<=33	Pass
		Edge_1RB_Right	23.72	/	/	23.02	/	/	<=33	Pass
DFT-s-OFDM 16 QAM	2590	Outer_Full	23.79	/	/	23.09	/	/	<=33	Pass
		Inner_Full	24.83	/	/	24.13	/	/	<=33	Pass
		Inner_1RB_Left	24.67	/	/	23.97	/	/	<=33	Pass
		Inner_1RB_Right	24.69	/	/	23.99	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.56	/	/	22.86	/	/	<=33	Pass
		Edge_1RB_Right	23.71	/	/	23.01	/	/	<=33	Pass
		Outer_Full	23.81	/	/	23.11	/	/	<=33	Pass
		Inner_Full	24.73	/	/	24.03	/	/	<=33	Pass
		Inner_1RB_Left	24.70	/	/	24.00	/	/	<=33	Pass
		Inner_1RB_Right	24.59	/	/	23.89	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.54	/	/	22.84	/	/	<=33	Pass
		Edge_1RB_Right	23.57	/	/	22.87	/	/	<=33	Pass
		Outer_Full	23.79	/	/	23.09	/	/	<=33	Pass
		Inner_Full	24.73	/	/	24.03	/	/	<=33	Pass
		Inner_1RB_Left	24.70	/	/	24.00	/	/	<=33	Pass
		Inner_1RB_Right	24.75	/	/	24.05	/	/	<=33	Pass
DFT-s-OFDM 64 QAM	2590	Edge_1RB_Left	23.00	/	/	22.30	/	/	<=33	Pass
		Edge_1RB_Right	23.21	/	/	22.51	/	/	<=33	Pass
		Outer_Full	23.25	/	/	22.55	/	/	<=33	Pass
		Inner_Full	23.27	/	/	22.57	/	/	<=33	Pass
		Inner_1RB_Left	23.02	/	/	22.32	/	/	<=33	Pass
		Inner_1RB_Right	23.03	/	/	22.33	/	/	<=33	Pass
	2595	Edge_1RB_Left	23.16	/	/	22.46	/	/	<=33	Pass
		Edge_1RB_Right	23.08	/	/	22.38	/	/	<=33	Pass
		Outer_Full	23.28	/	/	22.58	/	/	<=33	Pass
		Inner_Full	23.21	/	/	22.51	/	/	<=33	Pass
		Inner_1RB_Left	23.14	/	/	22.44	/	/	<=33	Pass
		Inner_1RB_Right	23.22	/	/	22.52	/	/	<=33	Pass
	2600	Edge_1RB_Left	23.01	/	/	22.31	/	/	<=33	Pass
		Edge_1RB_Right	23.24	/	/	22.54	/	/	<=33	Pass
		Outer_Full	23.24	/	/	22.54	/	/	<=33	Pass
		Inner_Full	23.20	/	/	22.50	/	/	<=33	Pass
		Inner_1RB_Left	23.17	/	/	22.47	/	/	<=33	Pass
		Inner_1RB_Right	23.03	/	/	22.33	/	/	<=33	Pass
DFT-s-OFDM 256 QAM	2590	Edge_1RB_Left	21.24	/	/	20.54	/	/	<=33	Pass
		Edge_1RB_Right	21.31	/	/	20.61	/	/	<=33	Pass
		Outer_Full	21.25	/	/	20.55	/	/	<=33	Pass
		Inner_Full	21.35	/	/	20.65	/	/	<=33	Pass
		Inner_1RB_Left	21.23	/	/	20.53	/	/	<=33	Pass
		Inner_1RB_Right	21.33	/	/	20.63	/	/	<=33	Pass
	2595	Edge_1RB_Left	21.21	/	/	20.51	/	/	<=33	Pass
		Edge_1RB_Right	21.26	/	/	20.56	/	/	<=33	Pass
		Outer_Full	21.35	/	/	20.65	/	/	<=33	Pass
		Inner_Full	21.32	/	/	20.62	/	/	<=33	Pass
		Inner_1RB_Left	21.26	/	/	20.56	/	/	<=33	Pass
		Inner_1RB_Right	21.31	/	/	20.61	/	/	<=33	Pass
	2600	Edge_1RB_Left	21.21	/	/	20.51	/	/	<=33	Pass
		Edge_1RB_Right	21.24	/	/	20.54	/	/	<=33	Pass
		Outer_Full	21.27	/	/	20.57	/	/	<=33	Pass
		Inner_Full	21.29	/	/	20.59	/	/	<=33	Pass
		Inner_1RB_Left	21.19	/	/	20.49	/	/	<=33	Pass
		Inner_1RB_Right	21.22	/	/	20.52	/	/	<=33	Pass

CP-OFDM QPSK	2590	Edge_1RB_Left	22.27	/	/	21.57	/	/	<=33	Pass
		Edge_1RB_Right	22.31	/	/	21.61	/	/	<=33	Pass
		Outer_Full	22.77	/	/	22.07	/	/	<=33	Pass
		Inner_Full	24.22	/	/	23.52	/	/	<=33	Pass
		Inner_1RB_Left	24.28	/	/	23.58	/	/	<=33	Pass
		Inner_1RB_Right	24.38	/	/	23.68	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.25	/	/	21.55	/	/	<=33	Pass
		Edge_1RB_Right	22.33	/	/	21.63	/	/	<=33	Pass
		Outer_Full	22.73	/	/	22.03	/	/	<=33	Pass
		Inner_Full	24.21	/	/	23.51	/	/	<=33	Pass
		Inner_1RB_Left	24.10	/	/	23.40	/	/	<=33	Pass
		Inner_1RB_Right	24.33	/	/	23.63	/	/	<=33	Pass
	2600	Edge_1RB_Left	22.28	/	/	21.58	/	/	<=33	Pass
		Edge_1RB_Right	22.34	/	/	21.64	/	/	<=33	Pass
		Outer_Full	22.73	/	/	22.03	/	/	<=33	Pass
		Inner_Full	24.18	/	/	23.48	/	/	<=33	Pass
		Inner_1RB_Left	24.22	/	/	23.52	/	/	<=33	Pass
		Inner_1RB_Right	24.11	/	/	23.41	/	/	<=33	Pass
CP-OFDM 16 QAM	2590	Edge_1RB_Left	22.43	/	/	21.73	/	/	<=33	Pass
		Edge_1RB_Right	22.64	/	/	21.94	/	/	<=33	Pass
		Outer_Full	22.77	/	/	22.07	/	/	<=33	Pass
		Inner_Full	23.83	/	/	23.13	/	/	<=33	Pass
		Inner_1RB_Left	23.47	/	/	22.77	/	/	<=33	Pass
		Inner_1RB_Right	23.62	/	/	22.93	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.53	/	/	21.83	/	/	<=33	Pass
		Edge_1RB_Right	22.60	/	/	21.90	/	/	<=33	Pass
		Outer_Full	22.79	/	/	22.09	/	/	<=33	Pass
		Inner_Full	23.74	/	/	23.04	/	/	<=33	Pass
		Inner_1RB_Left	23.48	/	/	22.78	/	/	<=33	Pass
		Inner_1RB_Right	23.53	/	/	22.83	/	/	<=33	Pass
	2600	Edge_1RB_Left	22.57	/	/	21.87	/	/	<=33	Pass
		Edge_1RB_Right	22.60	/	/	21.90	/	/	<=33	Pass
		Outer_Full	22.69	/	/	21.99	/	/	<=33	Pass
		Inner_Full	23.80	/	/	23.10	/	/	<=33	Pass
		Inner_1RB_Left	23.46	/	/	22.76	/	/	<=33	Pass
		Inner_1RB_Right	23.59	/	/	22.89	/	/	<=33	Pass
CP-OFDM 64 QAM	2590	Edge_1RB_Left	22.15	/	/	21.45	/	/	<=33	Pass
		Edge_1RB_Right	22.34	/	/	21.64	/	/	<=33	Pass
		Outer_Full	22.34	/	/	21.64	/	/	<=33	Pass
		Inner_Full	22.27	/	/	21.57	/	/	<=33	Pass
		Inner_1RB_Left	22.25	/	/	21.55	/	/	<=33	Pass
		Inner_1RB_Right	22.28	/	/	21.58	/	/	<=33	Pass
	2595	Edge_1RB_Left	22.23	/	/	21.53	/	/	<=33	Pass
		Edge_1RB_Right	22.33	/	/	21.63	/	/	<=33	Pass
		Outer_Full	22.31	/	/	21.61	/	/	<=33	Pass
		Inner_Full	22.22	/	/	21.52	/	/	<=33	Pass
		Inner_1RB_Left	22.27	/	/	21.57	/	/	<=33	Pass
		Inner_1RB_Right	22.23	/	/	21.53	/	/	<=33	Pass
	2600	Edge_1RB_Left	22.20	/	/	21.50	/	/	<=33	Pass
		Edge_1RB_Right	22.30	/	/	21.60	/	/	<=33	Pass
		Outer_Full	22.30	/	/	21.60	/	/	<=33	Pass
		Inner_Full	22.25	/	/	21.55	/	/	<=33	Pass
		Inner_1RB_Left	22.24	/	/	21.54	/	/	<=33	Pass
		Inner_1RB_Right	22.26	/	/	21.56	/	/	<=33	Pass
CP-OFDM 256 QAM	2590	Edge_1RB_Left	19.28	/	/	18.58	/	/	<=33	Pass
		Edge_1RB_Right	19.41	/	/	18.71	/	/	<=33	Pass
		Outer_Full	19.27	/	/	18.57	/	/	<=33	Pass
		Inner_Full	19.20	/	/	18.50	/	/	<=33	Pass
		Inner_1RB_Left	19.34	/	/	18.64	/	/	<=33	Pass
		Inner_1RB_Right	19.40	/	/	18.70	/	/	<=33	Pass
	2595	Edge_1RB_Left	19.29	/	/	18.59	/	/	<=33	Pass
		Edge_1RB_Right	19.43	/	/	18.73	/	/	<=33	Pass
		Outer_Full	19.30	/	/	18.61	/	/	<=33	Pass
		Inner_Full	19.26	/	/	18.56	/	/	<=33	Pass

		Inner_1RB_Left	19.32	/	/	18.62	/	/	<=33	Pass
		Inner_1RB_Right	19.37	/	/	18.67	/	/	<=33	Pass
	2600	Edge_1RB_Left	19.31	/	/	18.61	/	/	<=33	Pass
		Edge_1RB_Right	19.41	/	/	18.71	/	/	<=33	Pass
		Outer_Full	19.27	/	/	18.57	/	/	<=33	Pass
		Inner_Full	19.21	/	/	18.51	/	/	<=33	Pass
		Inner_1RB_Left	19.31	/	/	18.61	/	/	<=33	Pass
		Inner_1RB_Right	19.38	/	/	18.68	/	/	<=33	Pass
Note1: Antenna Gain: Ant4: -0.70dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 30_S_40M

5G NR n38 SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-3.11	-0.0012	>=-2.5 & <=2.5	Pass
				HV	0.03	0.0000	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-1.61	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	2.22	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-1.56	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-4.33	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.38	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-0.60	-0.0002	>=-2.5 & <=2.5	Pass
			50	NV	0.28	0.0001	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30_S_10M_NTNV

5G NR n38 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	8.67	9.49	/	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	8.65	9.59	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	8.64	9.55	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	8.70	9.53	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	8.72	9.61	/	Pass
CP-OFDM QPSK	2595	Outer_Full	8.67	9.64	/	Pass
CP-OFDM 16 QAM	2595	Outer_Full	8.69	9.46	/	Pass
CP-OFDM 64 QAM	2595	Outer_Full	8.68	9.52	/	Pass
CP-OFDM 256 QAM	2595	Outer_Full	8.66	9.59	/	Pass

3.1.2 30_S_15M_NTNV

5G NR n38 SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	13.04	14.15	/	Pass

DFT-s-OFDM QPSK	2595	Outer Full	13.02	14.10	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer Full	13.05	13.99	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer Full	13.13	14.13	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer Full	13.03	14.02	/	Pass
CP-OFDM QPSK	2595	Outer Full	13.74	14.96	/	Pass
CP-OFDM 16 QAM	2595	Outer Full	13.69	14.87	/	Pass
CP-OFDM 64 QAM	2595	Outer Full	13.73	14.97	/	Pass
CP-OFDM 256 QAM	2595	Outer Full	13.71	14.81	/	Pass

3.1.3 30_S_20M_NTNV

5G NR n38 SCS=30kHz SISO 20MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer Full	18.08	19.41	/	Pass
DFT-s-OFDM QPSK	2595	Outer Full	18.12	19.43	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer Full	18.09	19.38	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer Full	18.11	19.41	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer Full	18.12	19.35	/	Pass
CP-OFDM QPSK	2595	Outer Full	18.43	19.73	/	Pass
CP-OFDM 16 QAM	2595	Outer Full	18.42	19.76	/	Pass
CP-OFDM 64 QAM	2595	Outer Full	18.43	19.73	/	Pass
CP-OFDM 256 QAM	2595	Outer Full	18.30	19.77	/	Pass

3.1.4 30_S_25M_NTNV

5G NR n38 SCS=30kHz SISO 25MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer Full	23.14	24.71	/	Pass
DFT-s-OFDM QPSK	2595	Outer Full	23.11	24.78	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer Full	23.10	24.67	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer Full	23.18	24.77	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer Full	23.16	24.72	/	Pass
CP-OFDM QPSK	2595	Outer Full	23.39	24.99	/	Pass
CP-OFDM 16 QAM	2595	Outer Full	23.43	25.02	/	Pass
CP-OFDM 64 QAM	2595	Outer Full	23.41	25.08	/	Pass
CP-OFDM 256 QAM	2595	Outer Full	23.41	25.13	/	Pass

3.1.5 30_S_30M_NTNV

Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer Full	27.10	29.10	/	Pass
DFT-s-OFDM QPSK	2595	Outer Full	27.05	29.19	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer Full	27.08	29.05	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer Full	27.14	29.08	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer Full	27.14	29.18	/	Pass
CP-OFDM QPSK	2595	Outer Full	28.07	30.17	/	Pass
CP-OFDM 16 QAM	2595	Outer Full	28.10	30.16	/	Pass
CP-OFDM 64 QAM	2595	Outer Full	28.08	30.07	/	Pass
CP-OFDM 256 QAM	2595	Outer Full	27.99	30.11	/	Pass

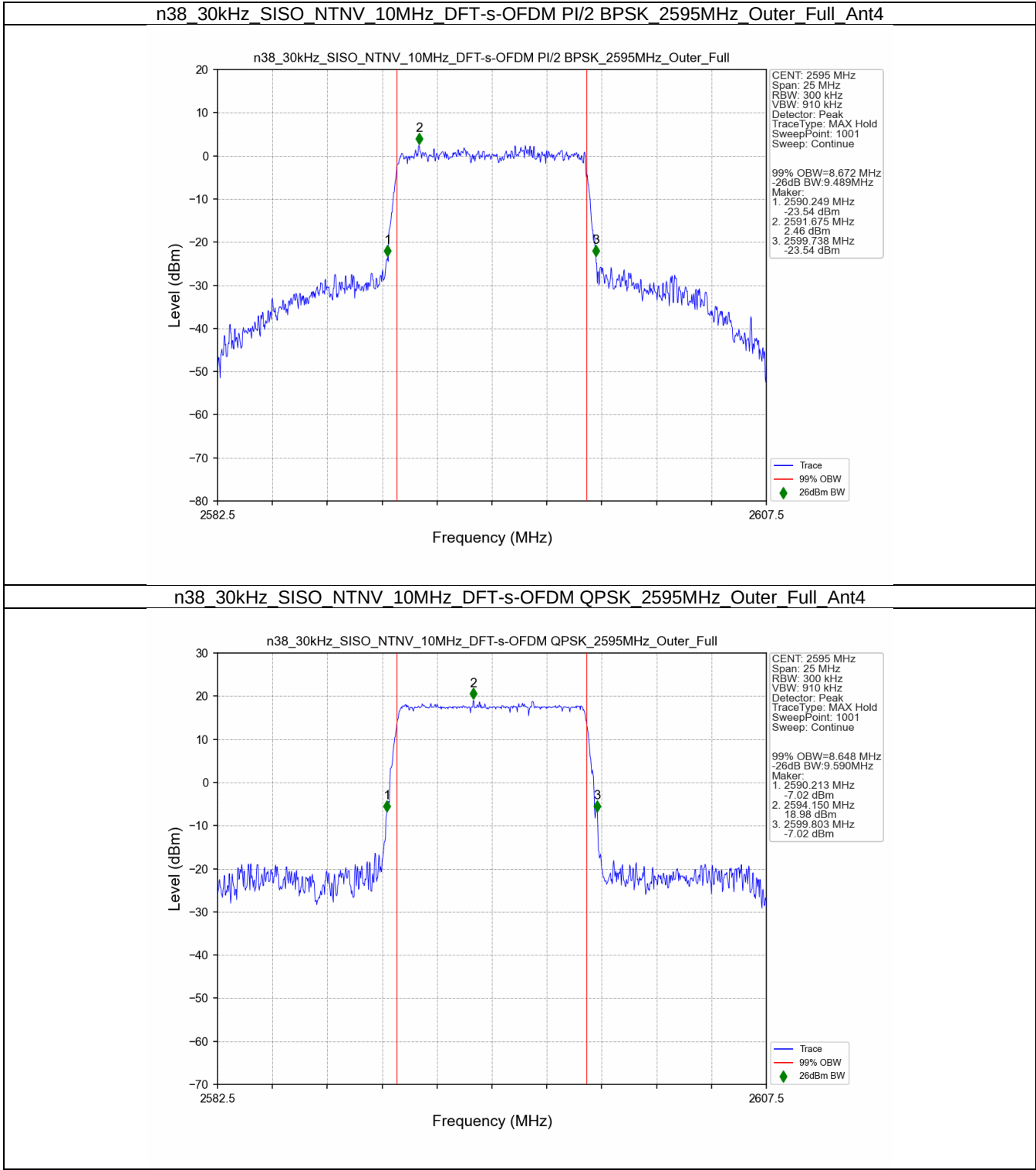
3.1.6 30 S 40M NTNV

5G NR n38 SCS=30kHz SISO 40MHz NTN

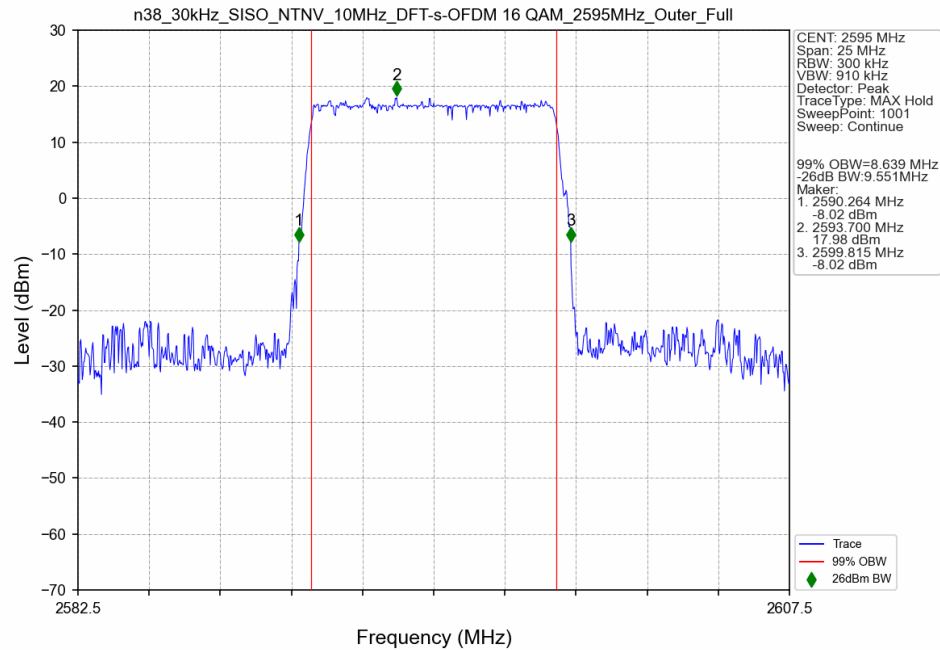
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2595	Outer Full	36.03	38.57	/	Pass
DFT-s-OFDM QPSK	2595	Outer Full	36.14	38.63	/	Pass
DFT-s-OFDM 16 QAM	2595	Outer Full	36.04	38.70	/	Pass
DFT-s-OFDM 64 QAM	2595	Outer Full	36.09	38.64	/	Pass
DFT-s-OFDM 256 QAM	2595	Outer Full	36.09	38.69	/	Pass
CP-OFDM QPSK	2595	Outer Full	38.21	40.69	/	Pass
CP-OFDM 16 QAM	2595	Outer Full	38.18	40.85	/	Pass
CP-OFDM 64 QAM	2595	Outer Full	38.16	40.77	/	Pass
CP-OFDM 256 QAM	2595	Outer Full	38.06	40.76	/	Pass

3.2 Test Graph

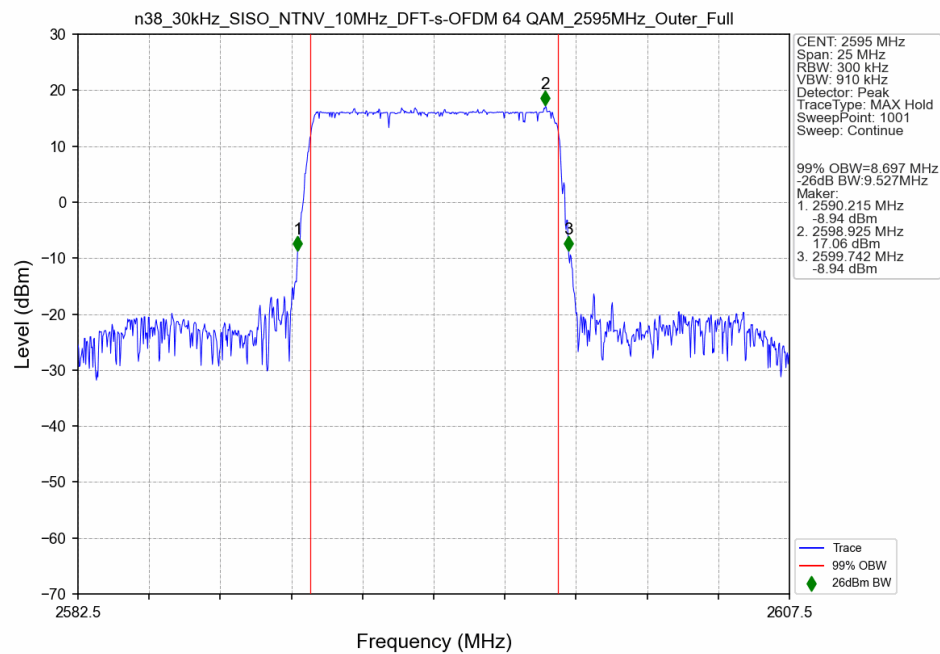
3.2.1 30_S_10M_NTNV



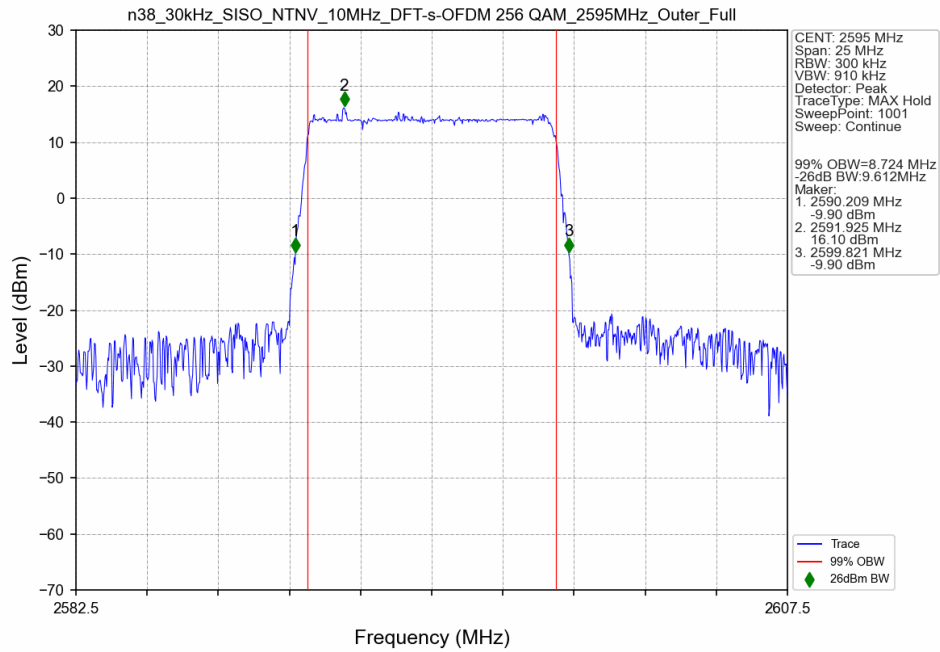
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_2595MHz_Outer_Full_Ant4



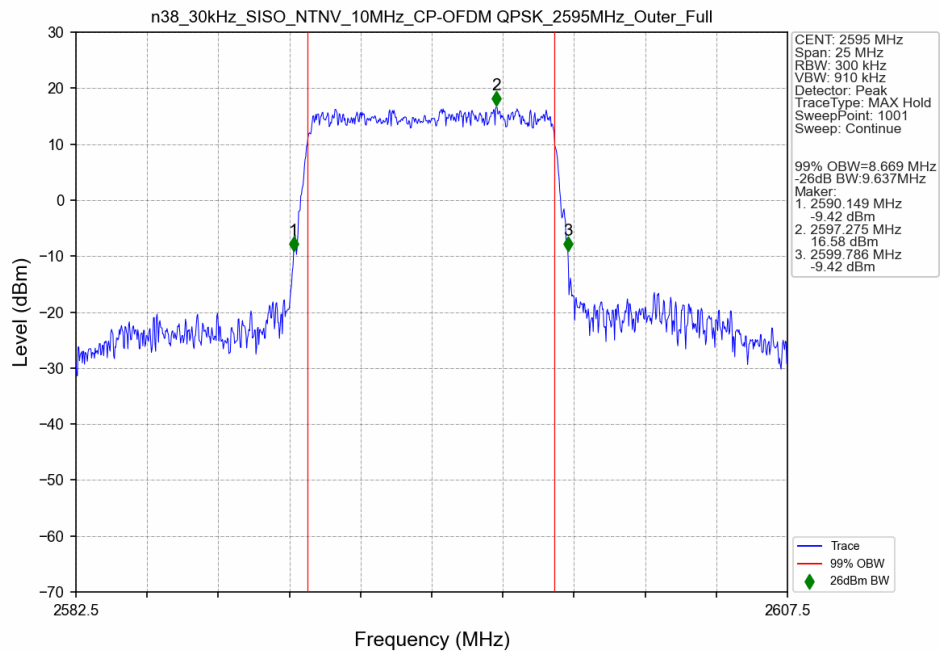
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_2595MHz_Outer_Full_Ant4



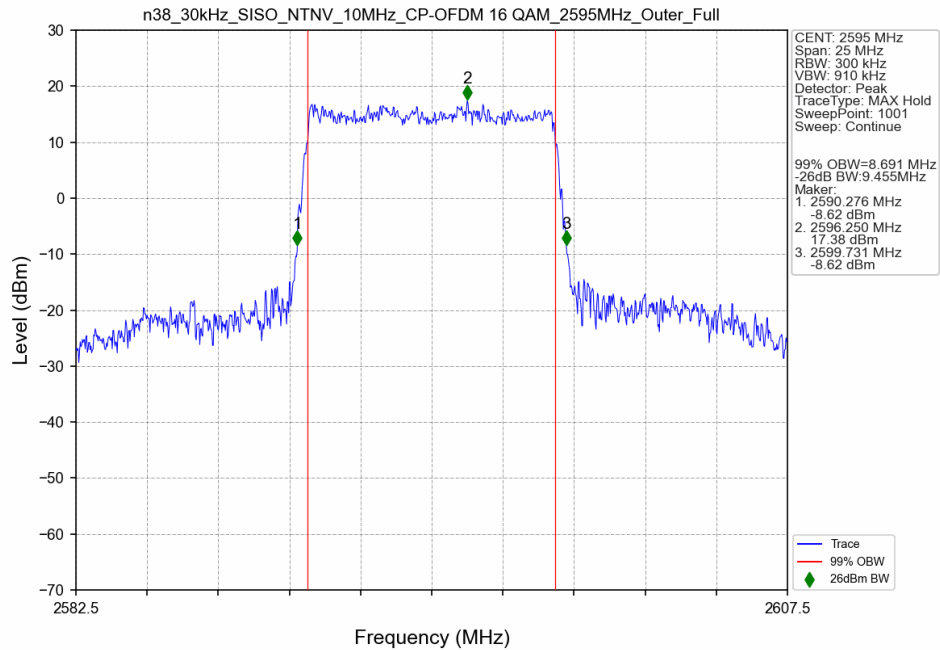
n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM 2595MHz_Outer_Full_Ant4



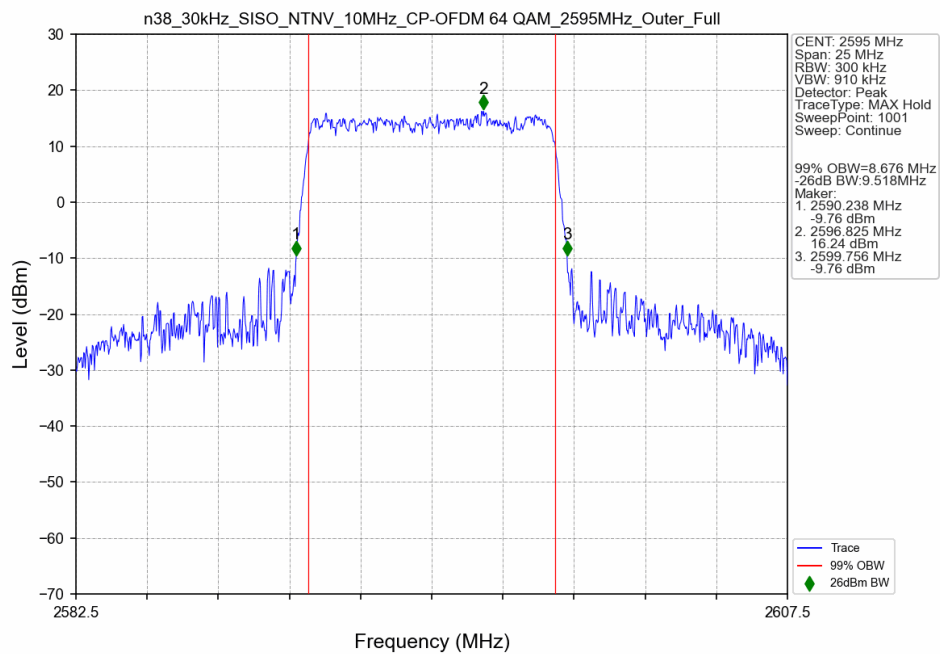
n38_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK 2595MHz_Outer_Full_Ant4

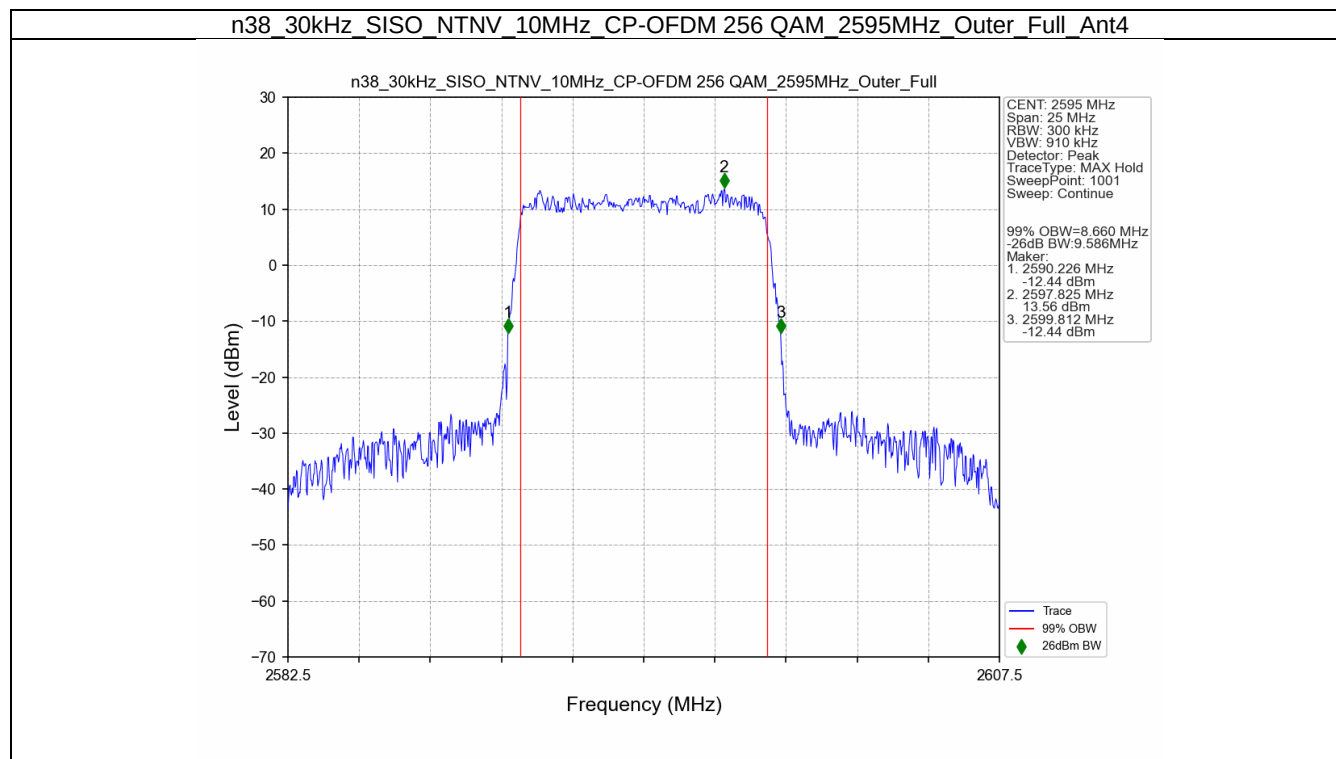


n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2595MHz_Outer_Full_Ant4

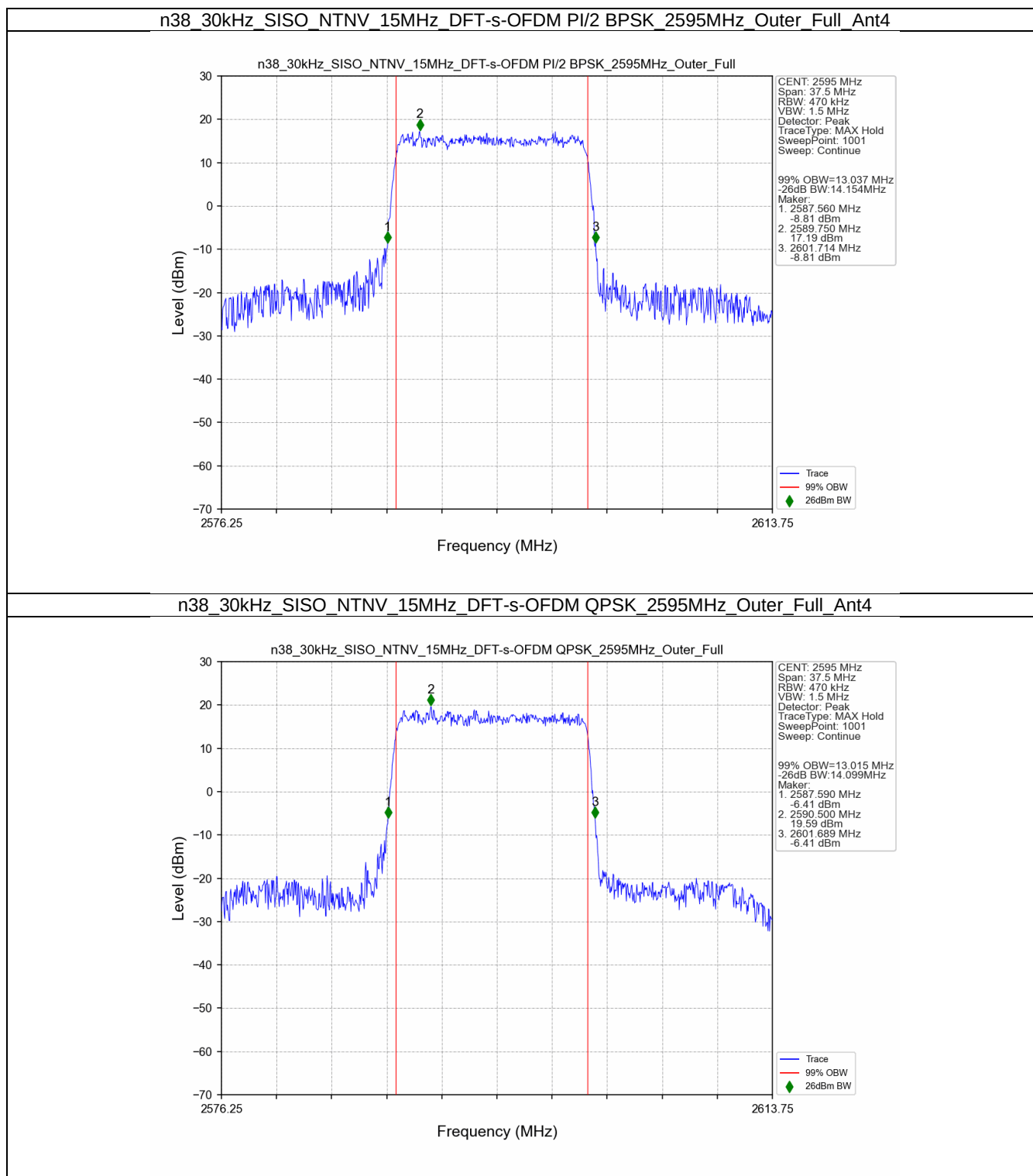


n38_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2595MHz_Outer_Full_Ant4

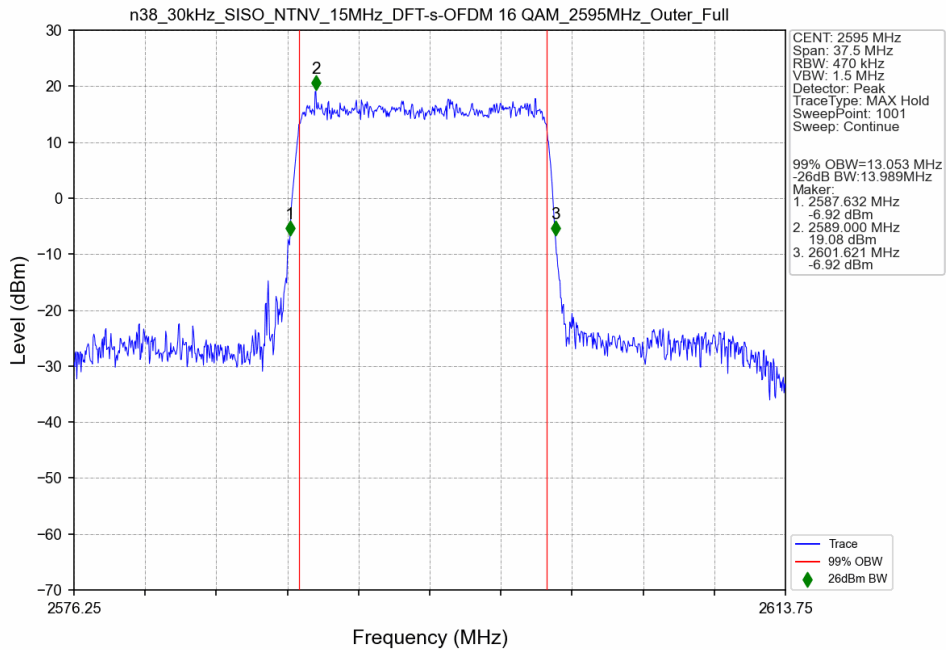




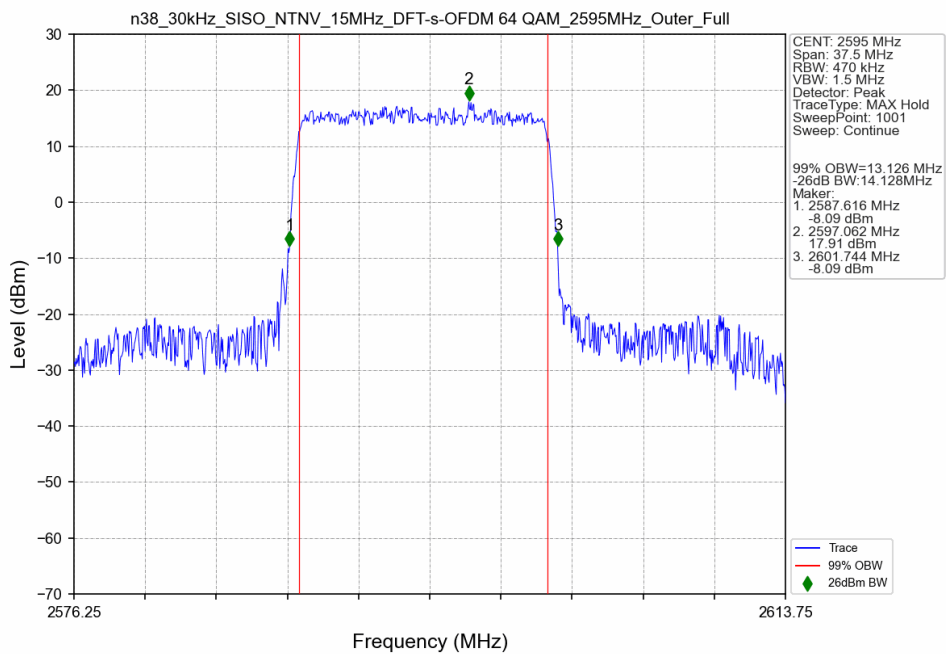
3.2.2 30_S_15M_NTNV

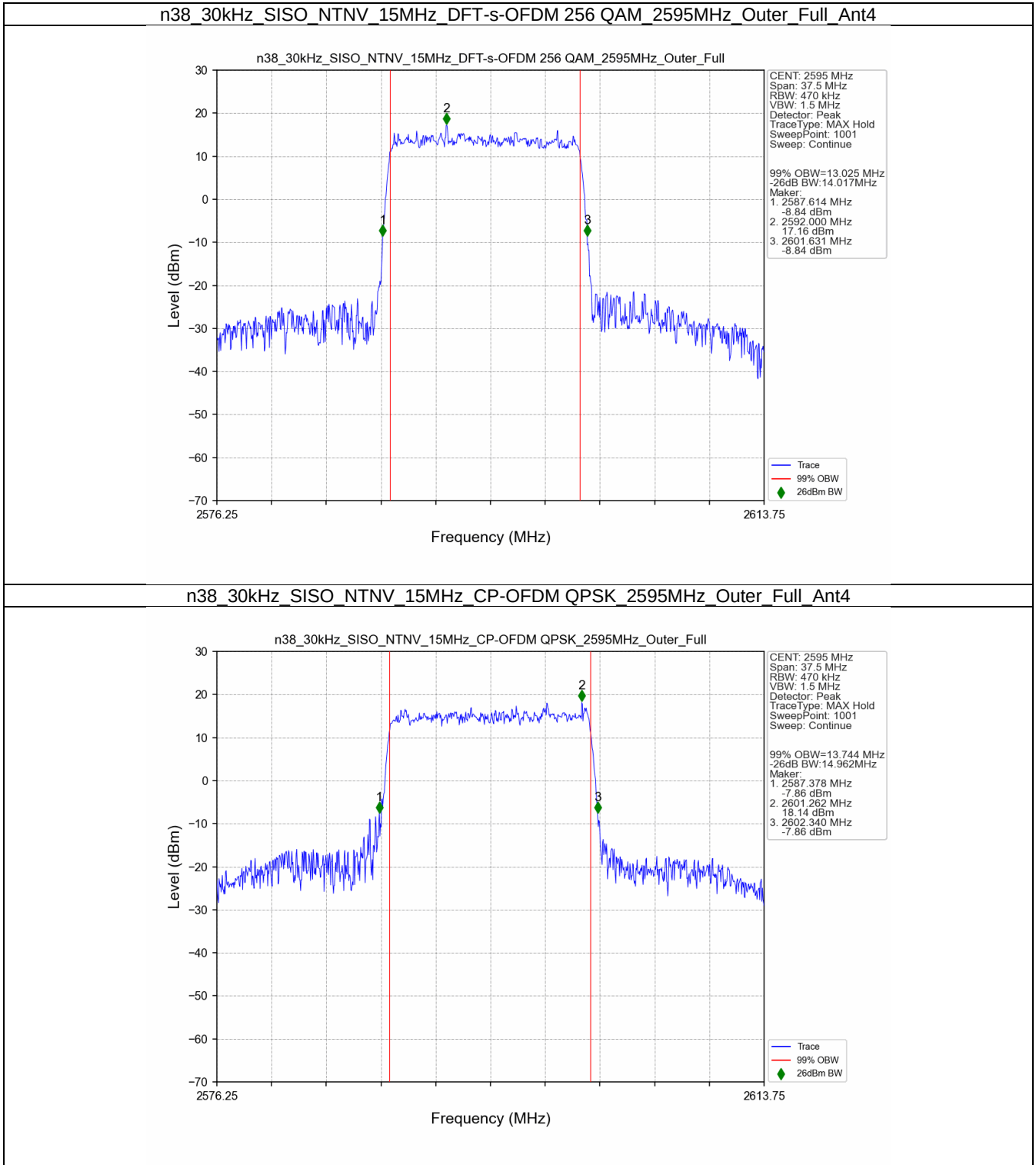


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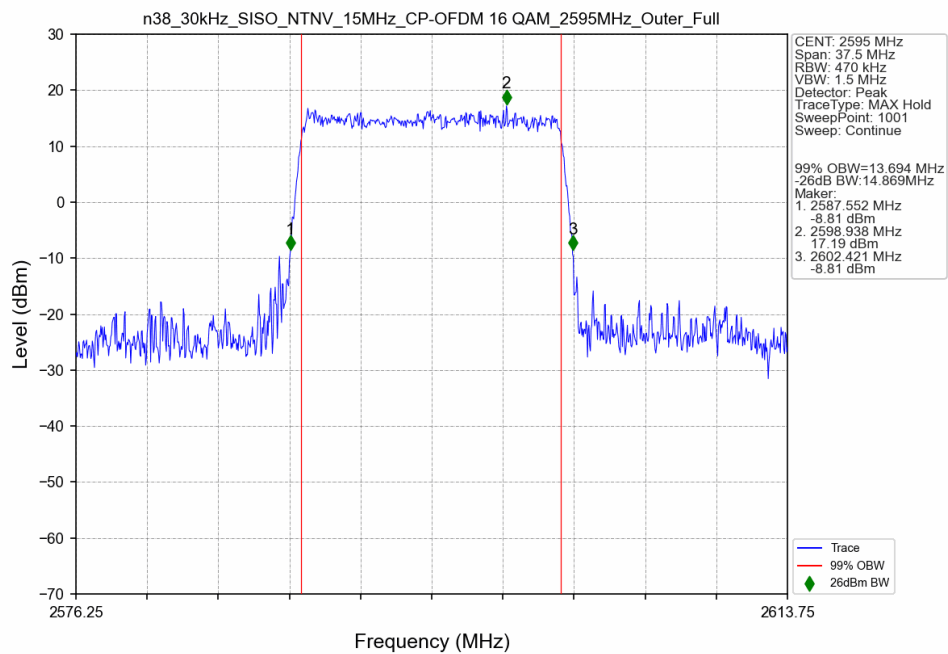


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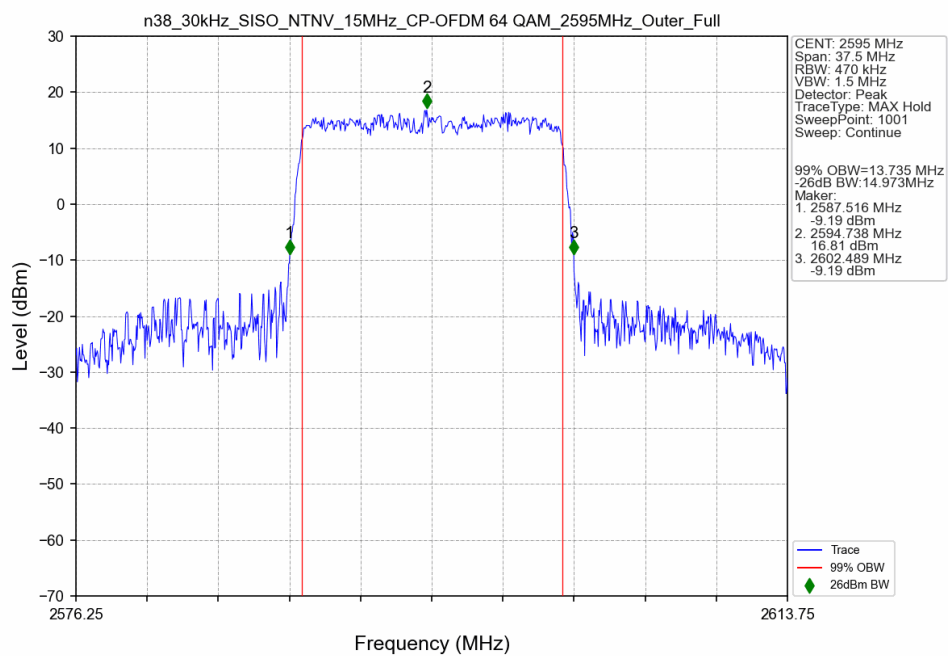




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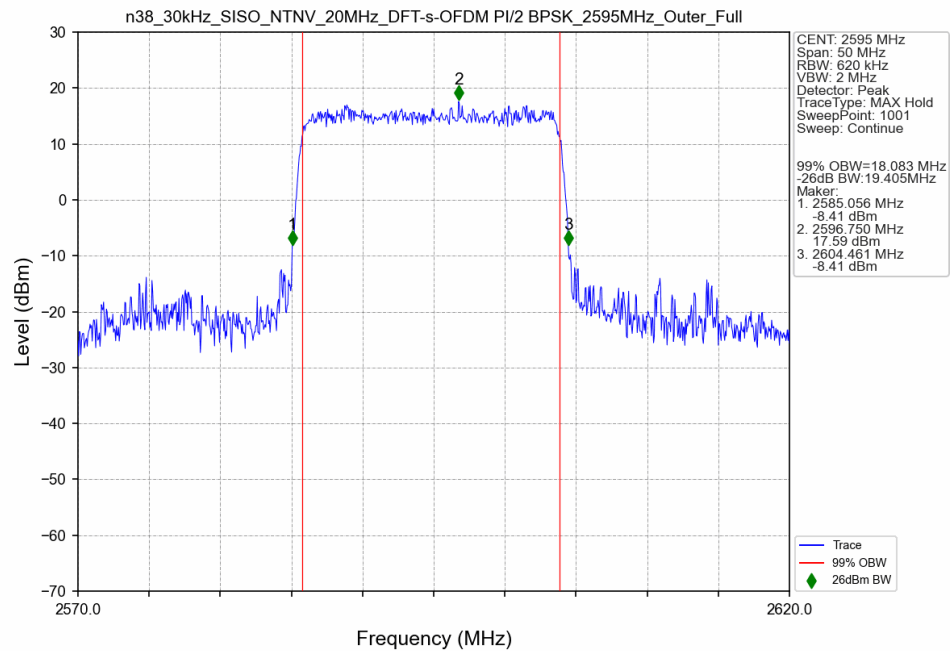
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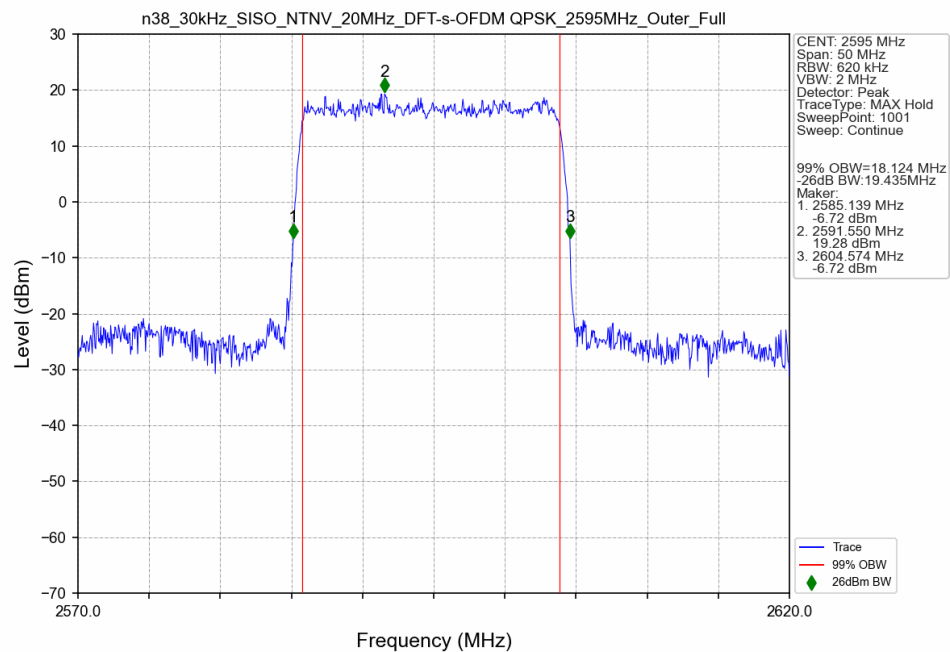


3.2.3 30_S_20M_NTNV

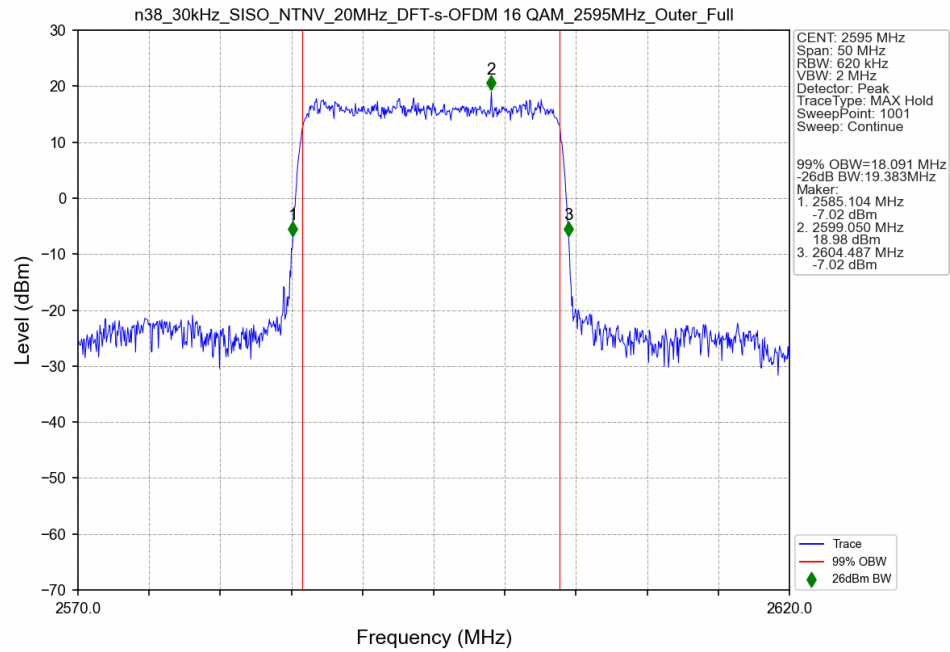
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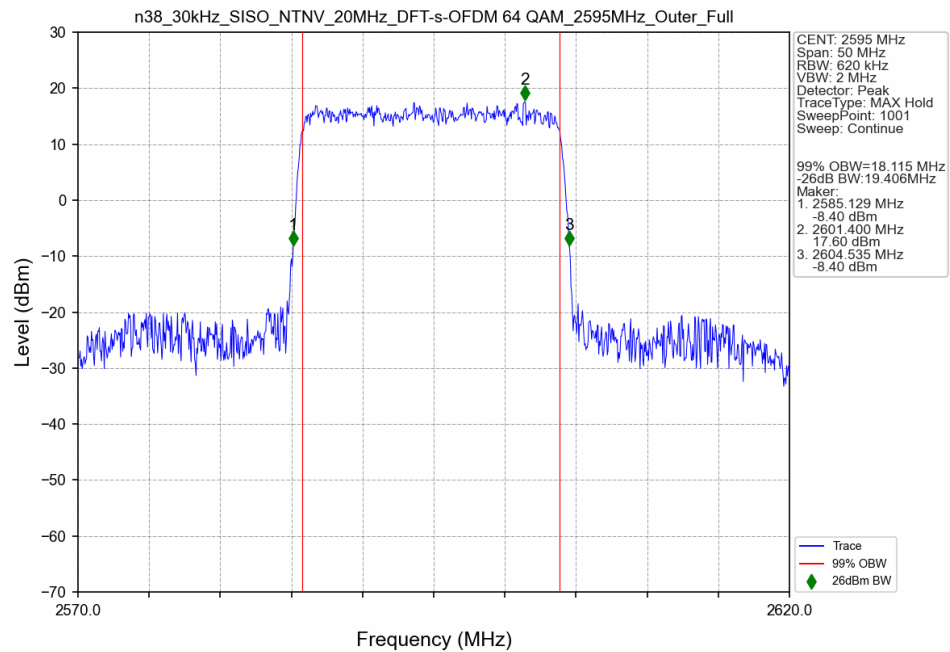
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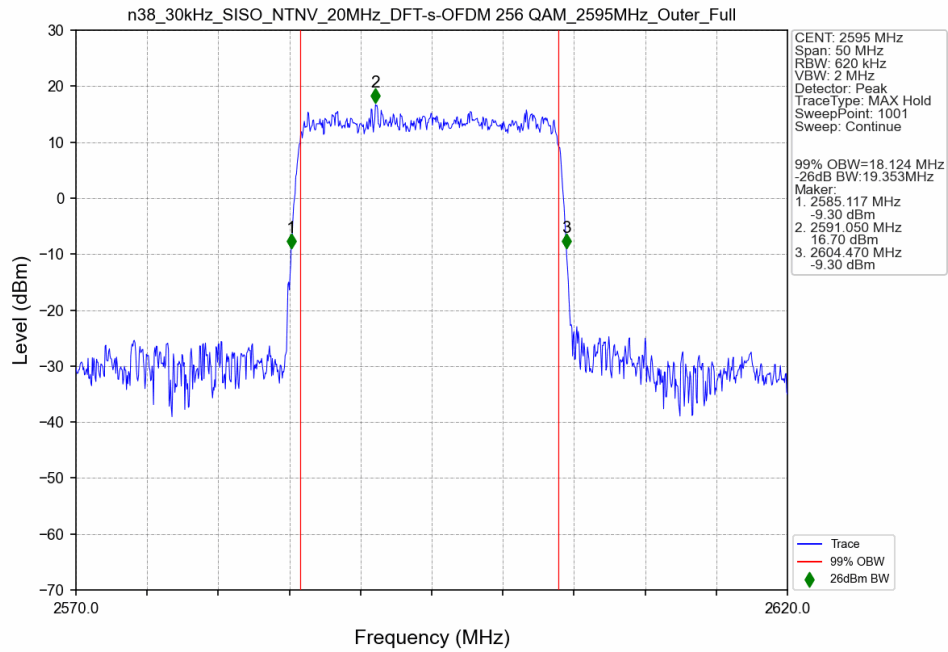
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_2595MHz_Outer_Full_Ant4



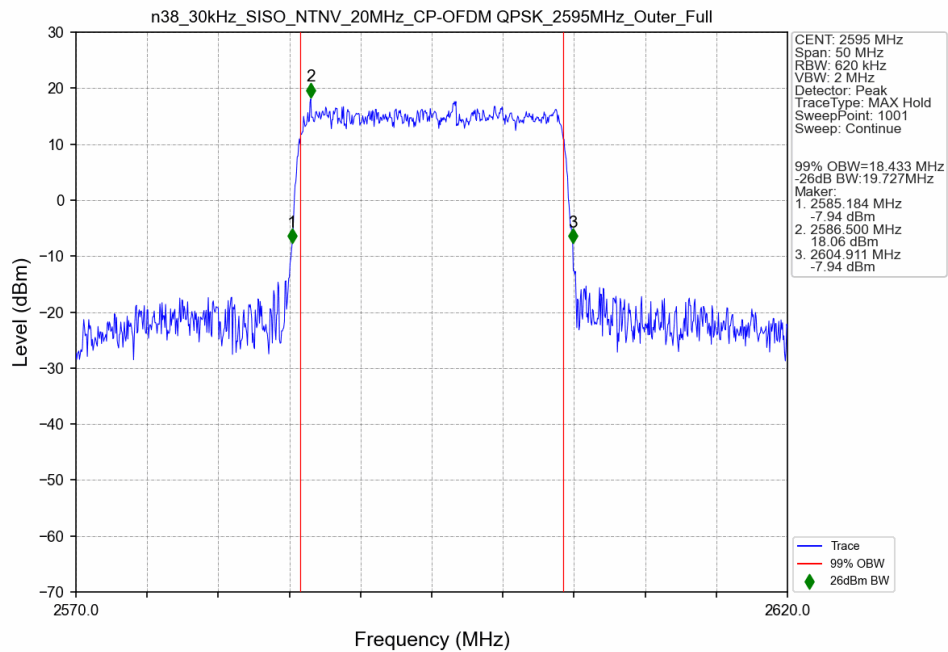
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_2595MHz_Outer_Full_Ant4



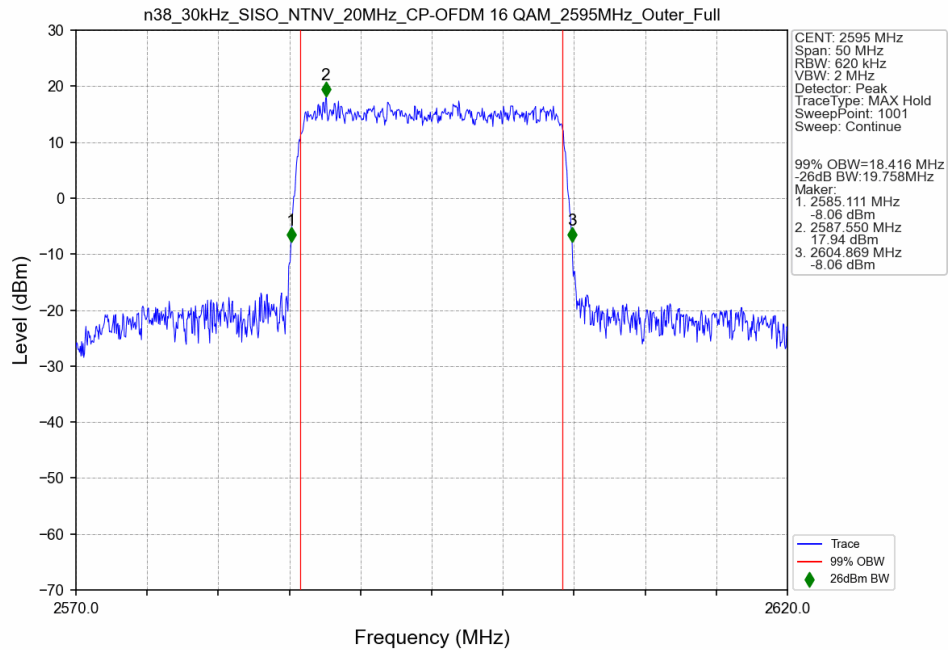
n38_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM 2595MHz_Outer_Full_Ant4



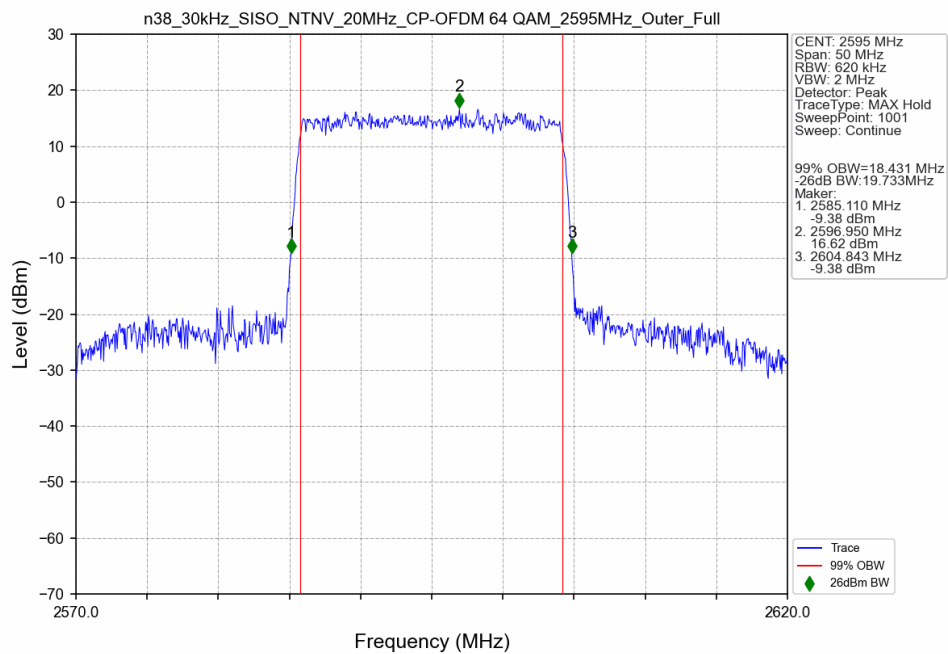
n38_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK 2595MHz_Outer_Full_Ant4

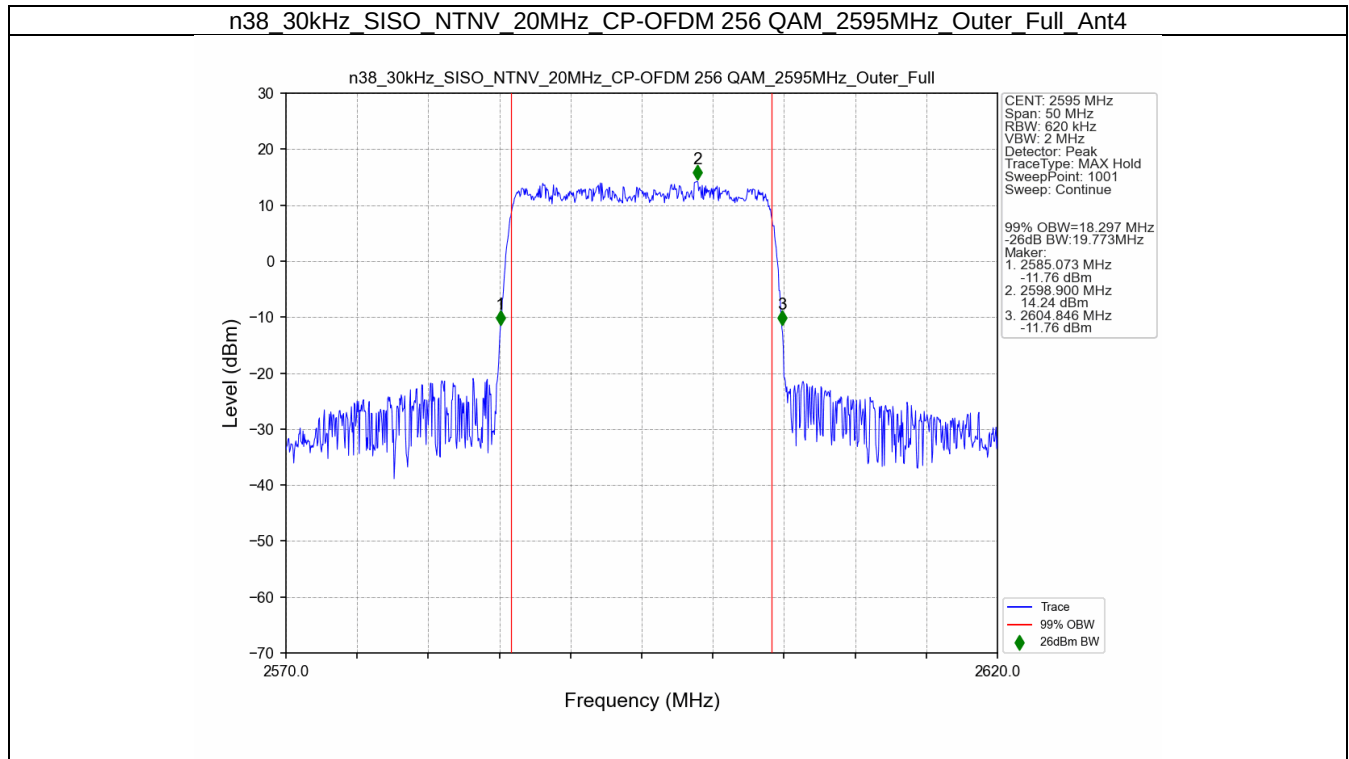


n38_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 2595MHz_Outer_Full_Ant4



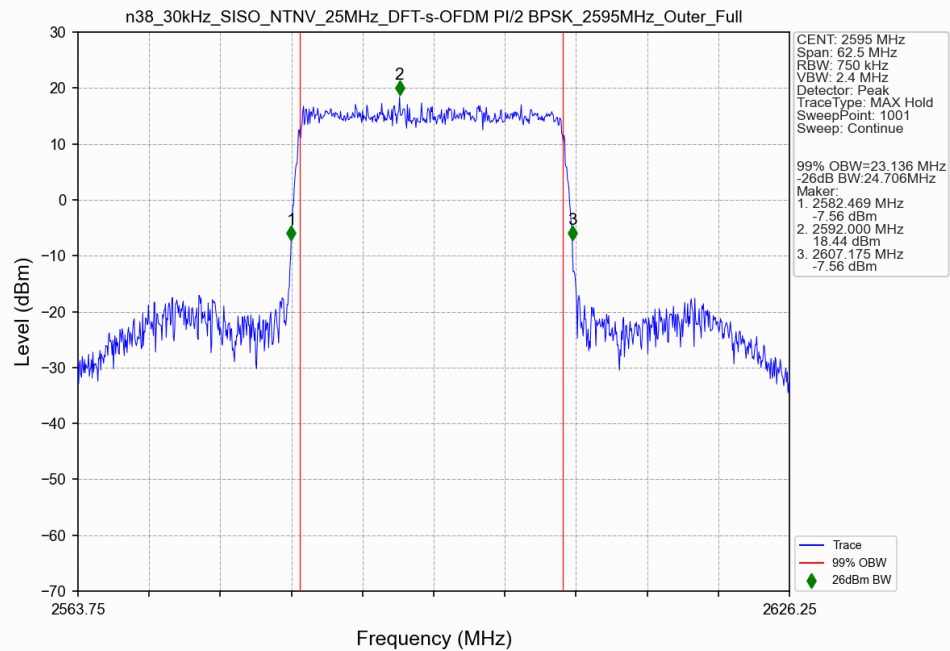
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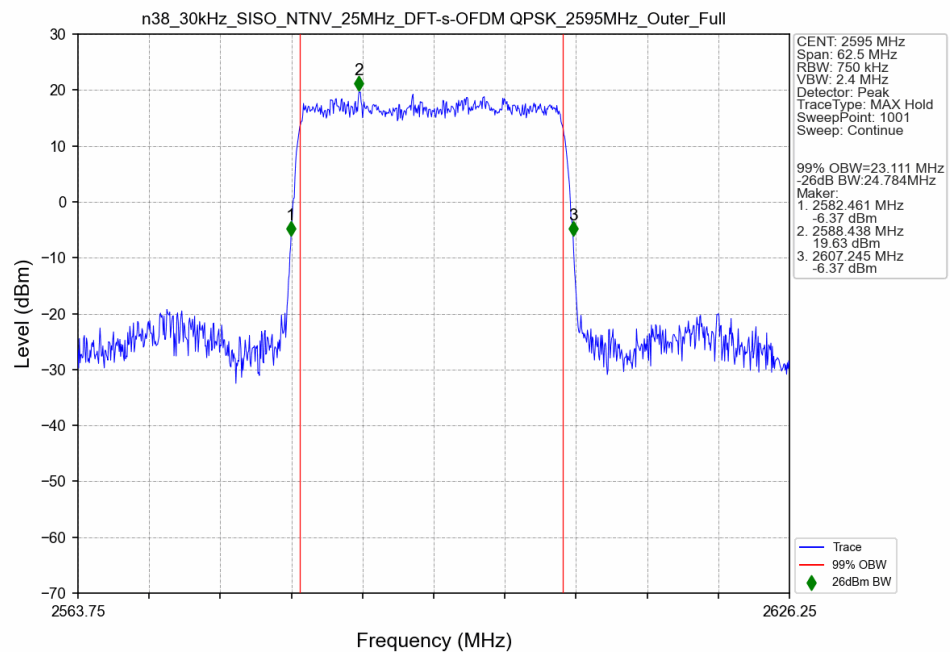


3.2.4 30_S_25M_NTNV

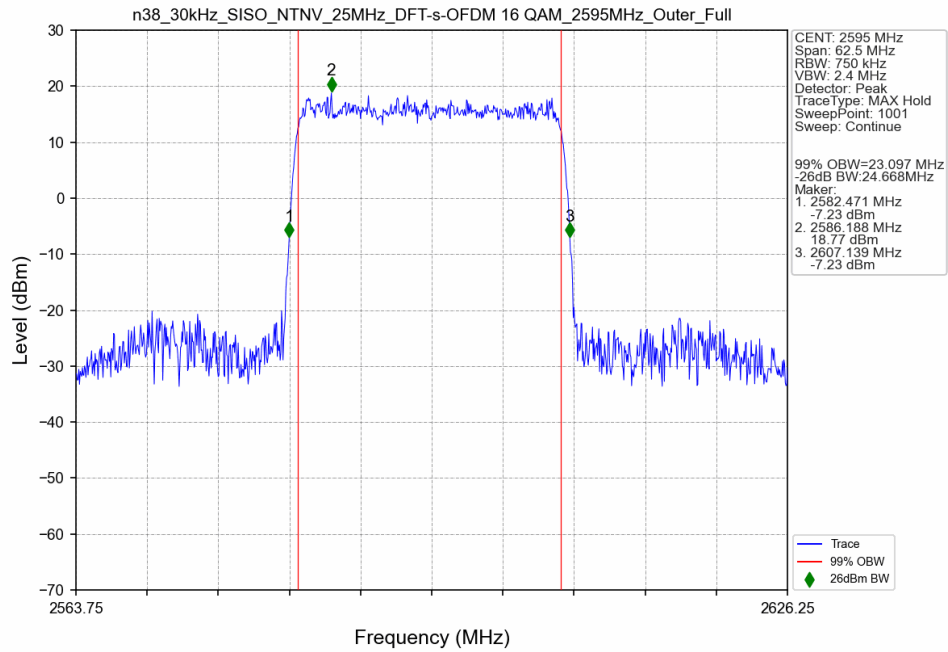
n38_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_2595MHz_Outer_Full_Ant4



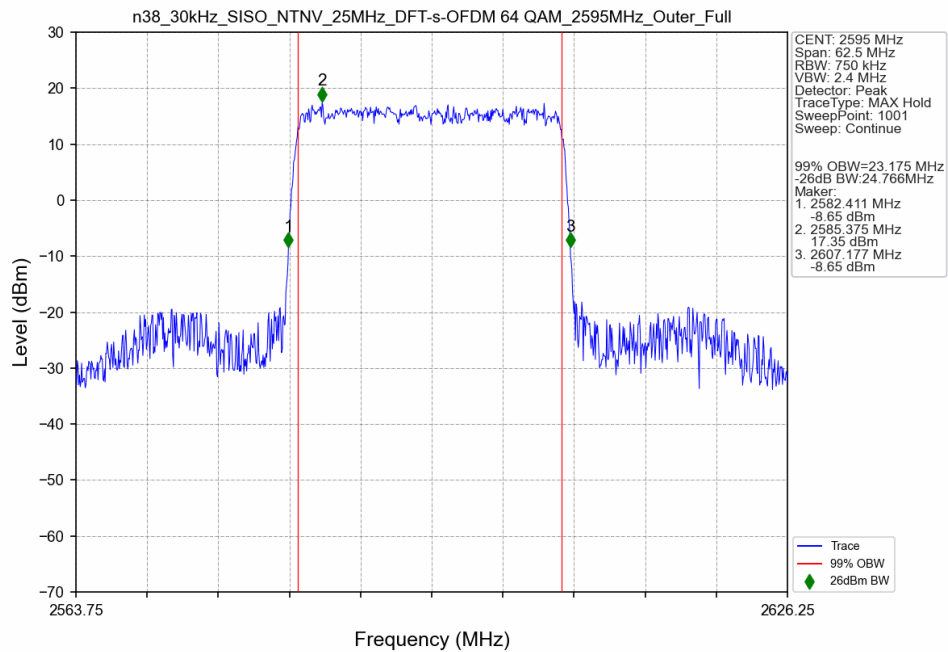
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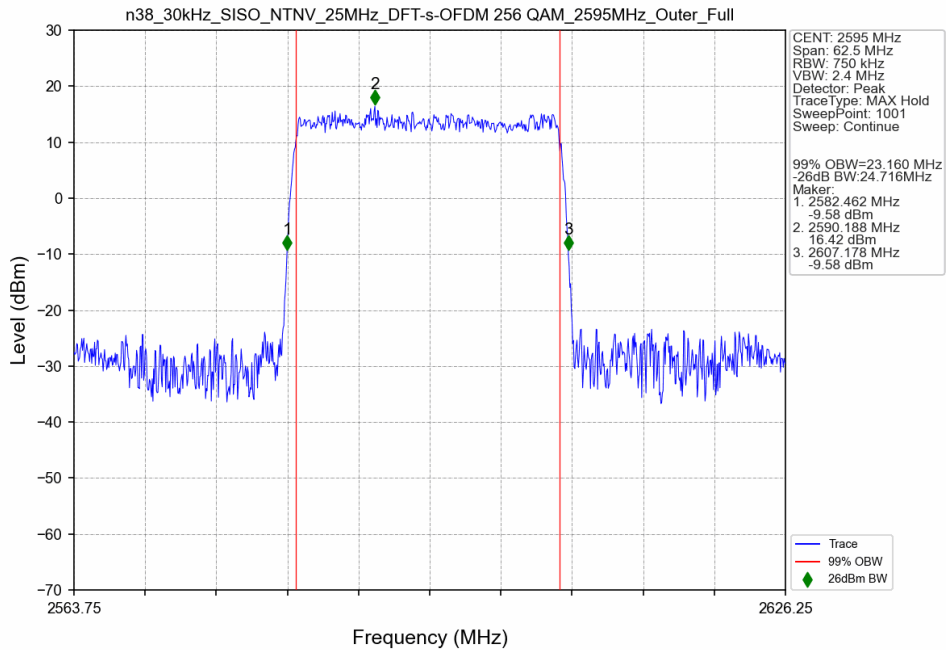
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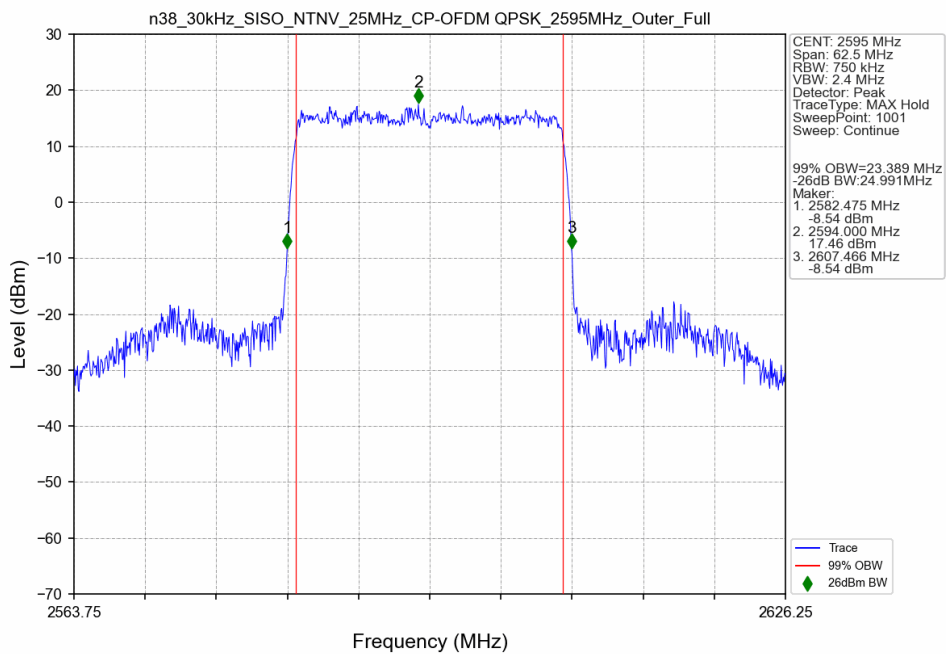
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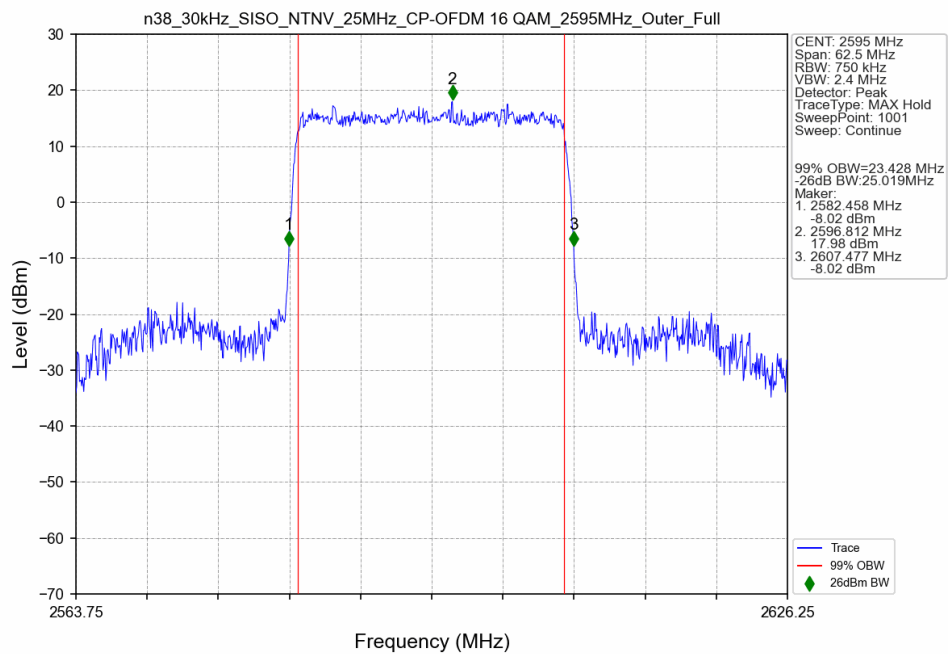
n38_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 256 QAM 2595MHz_Outer_Full_Ant4



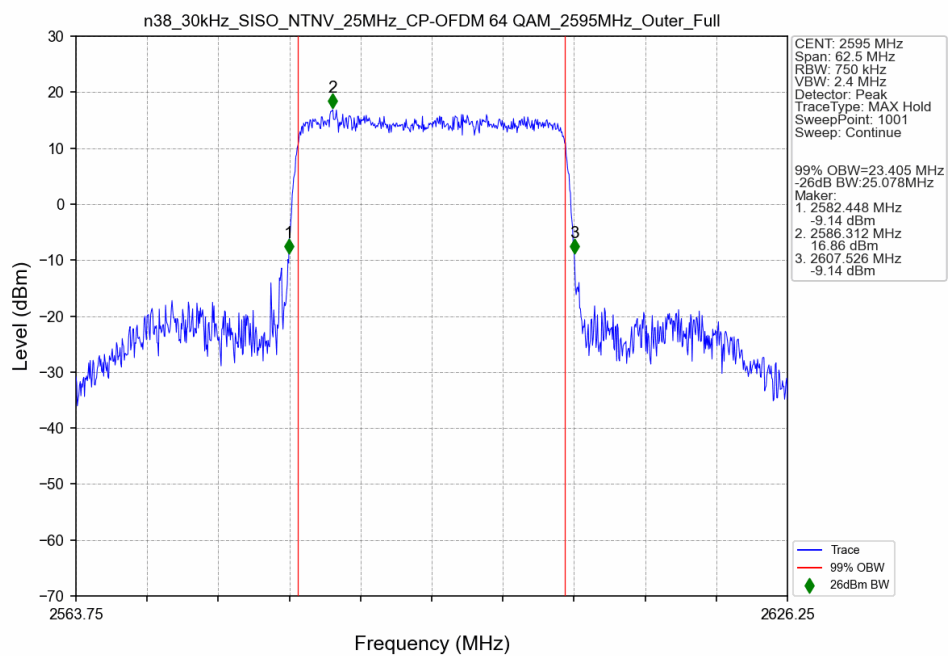
n38_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK 2595MHz_Outer_Full_Ant4



n38_30kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM_2595MHz_Outer_Full_Ant4

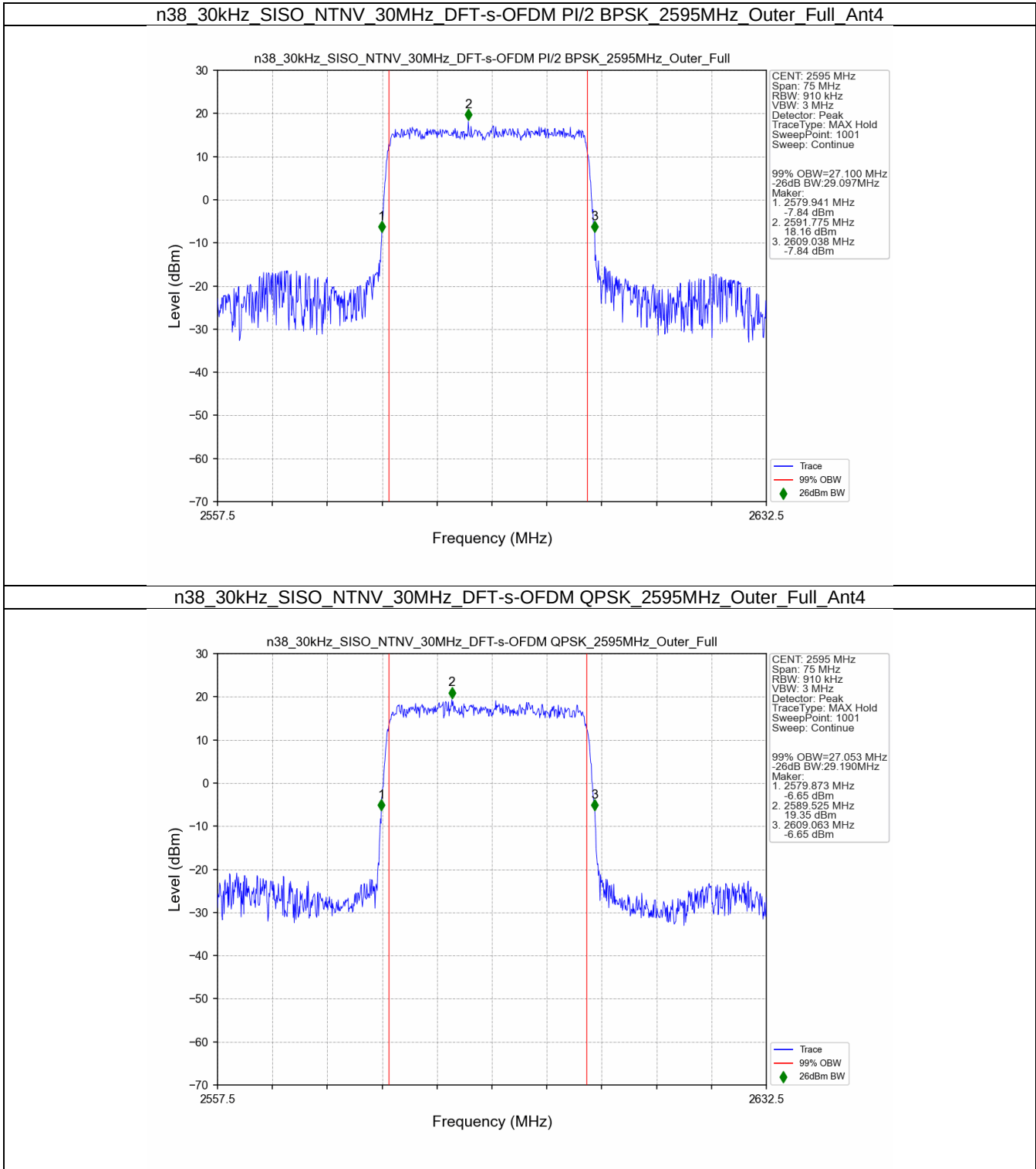


n38_30kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM_2595MHz_Outer_Full_Ant4

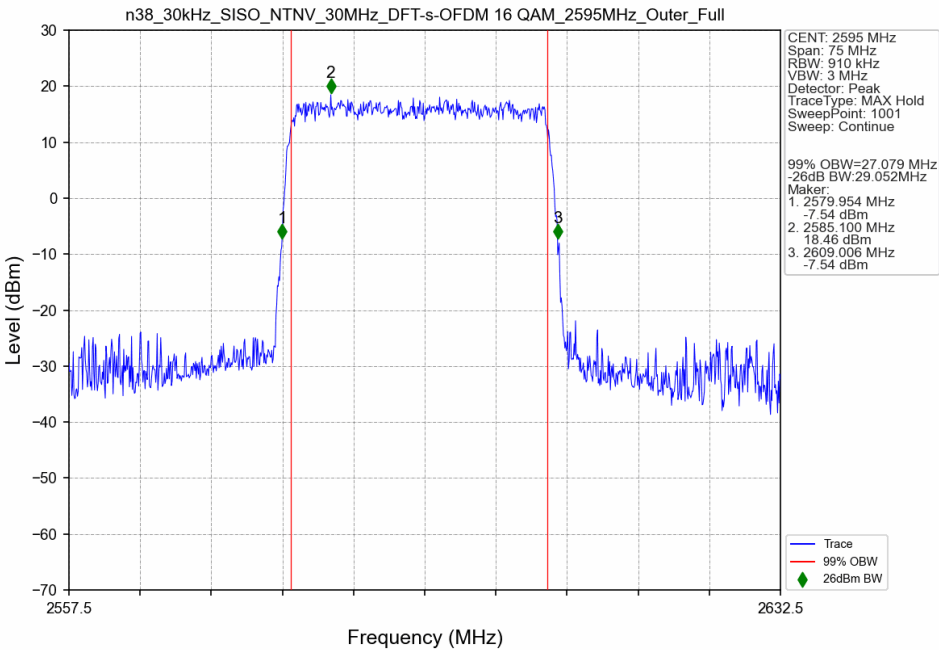




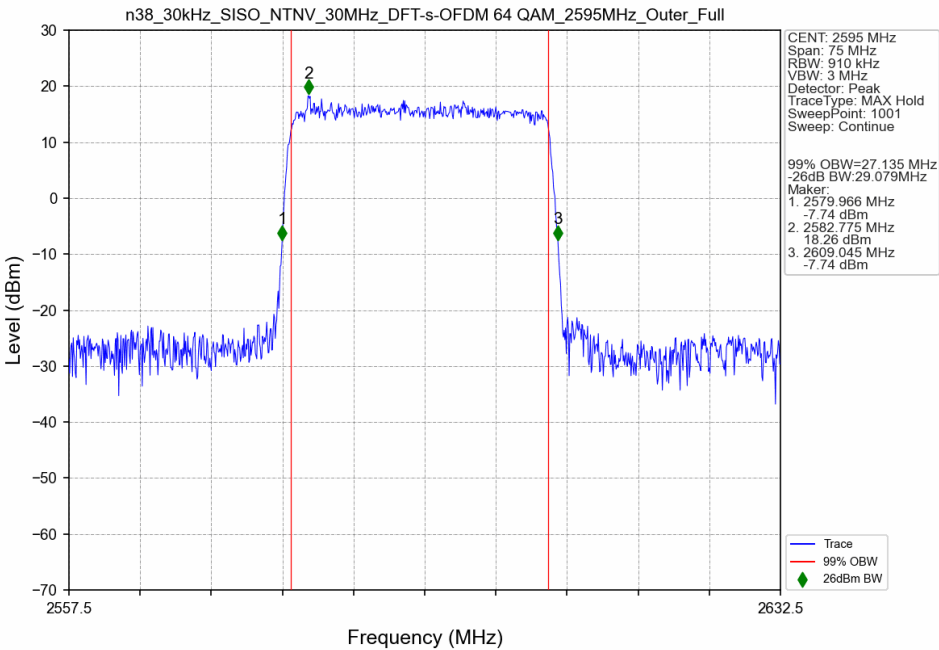
3.2.5 30_S_30M_NTNV



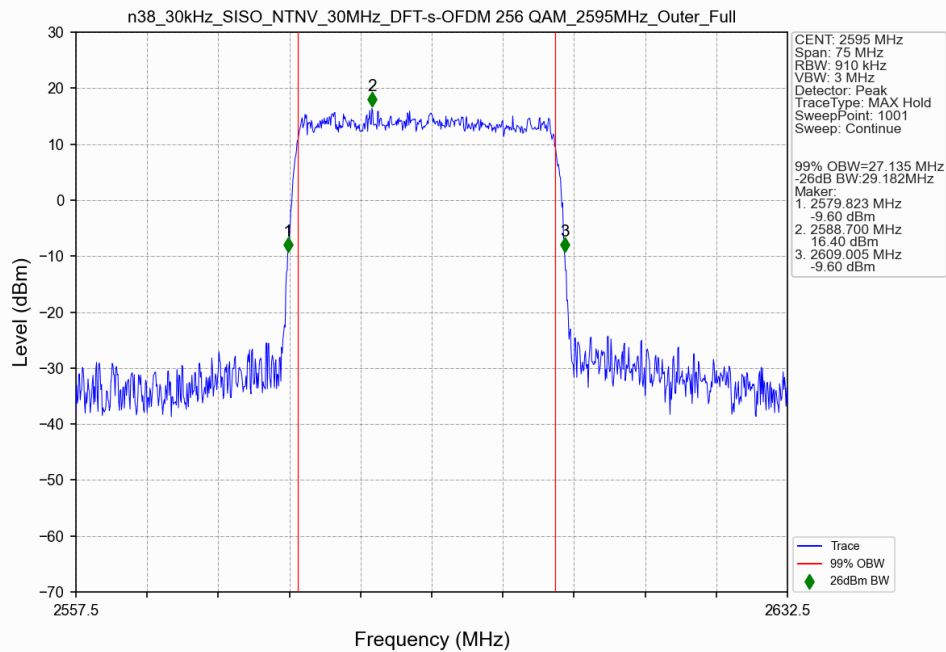
n38_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_2595MHz_Outer_Full_Ant4



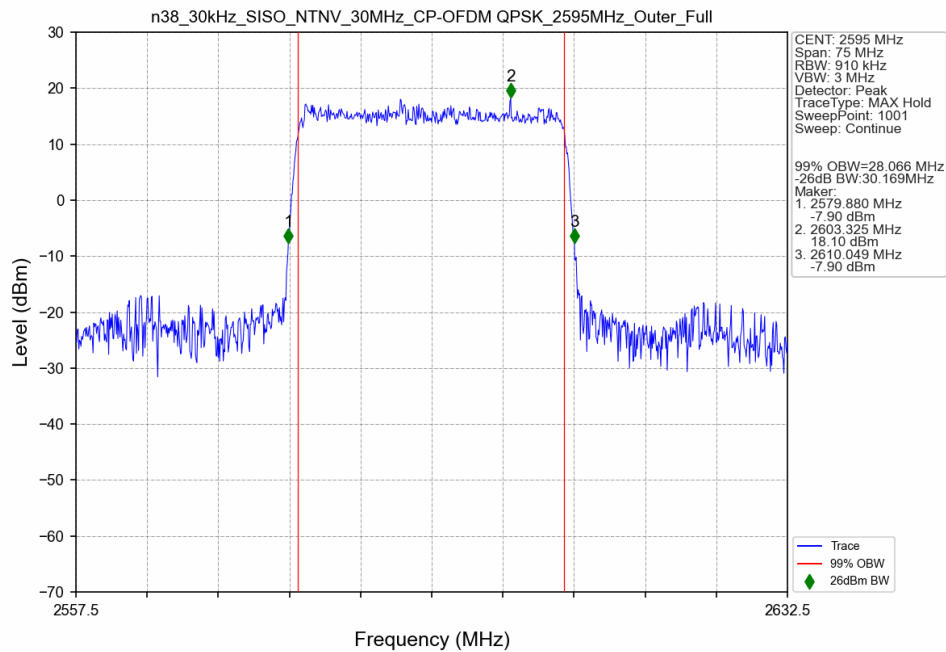
n38_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_2595MHz_Outer_Full_Ant4



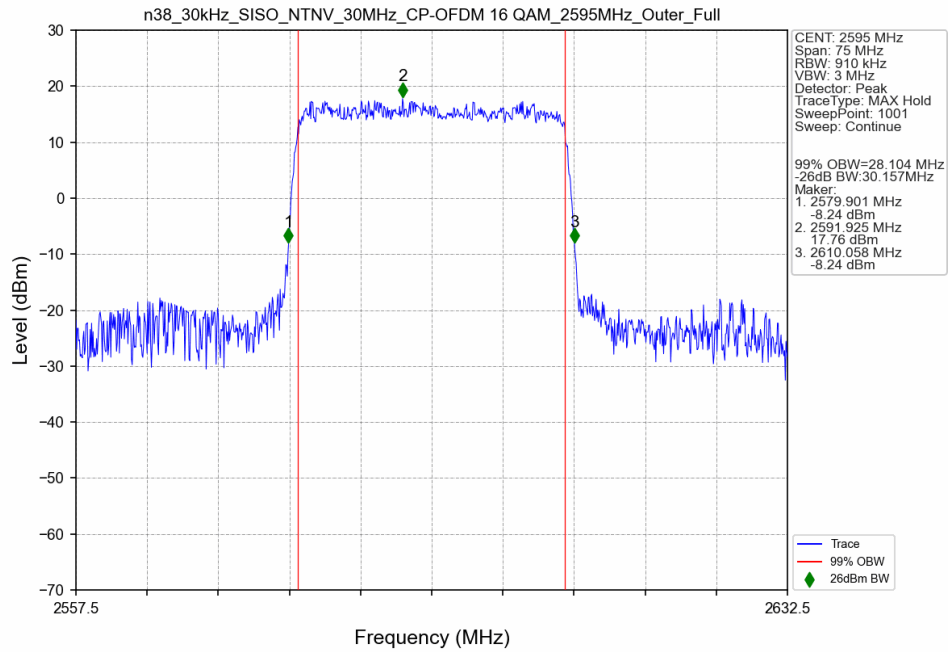
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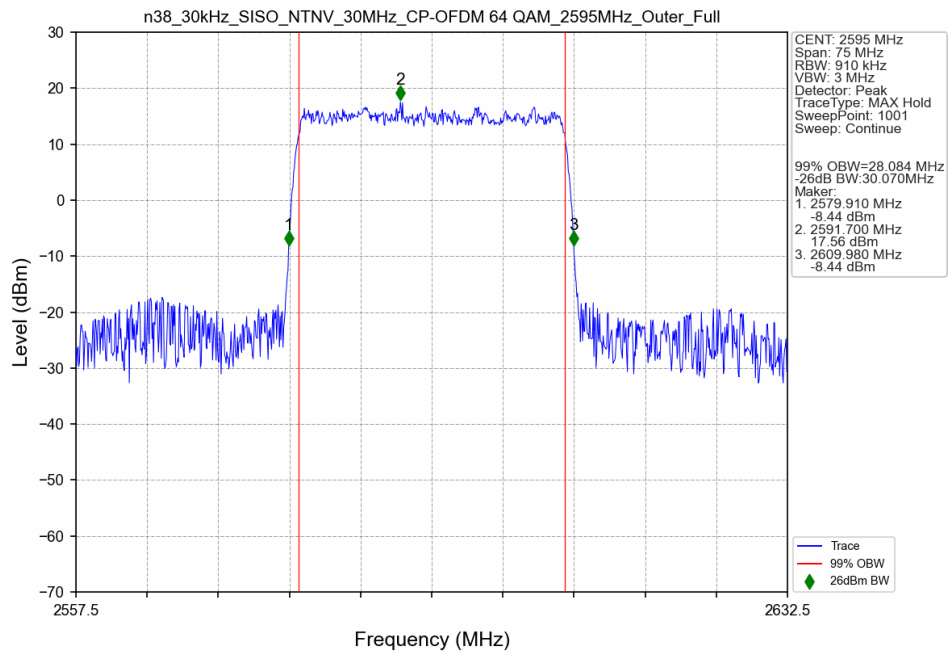
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n38_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 2595MHz_Outer_Full_Ant4

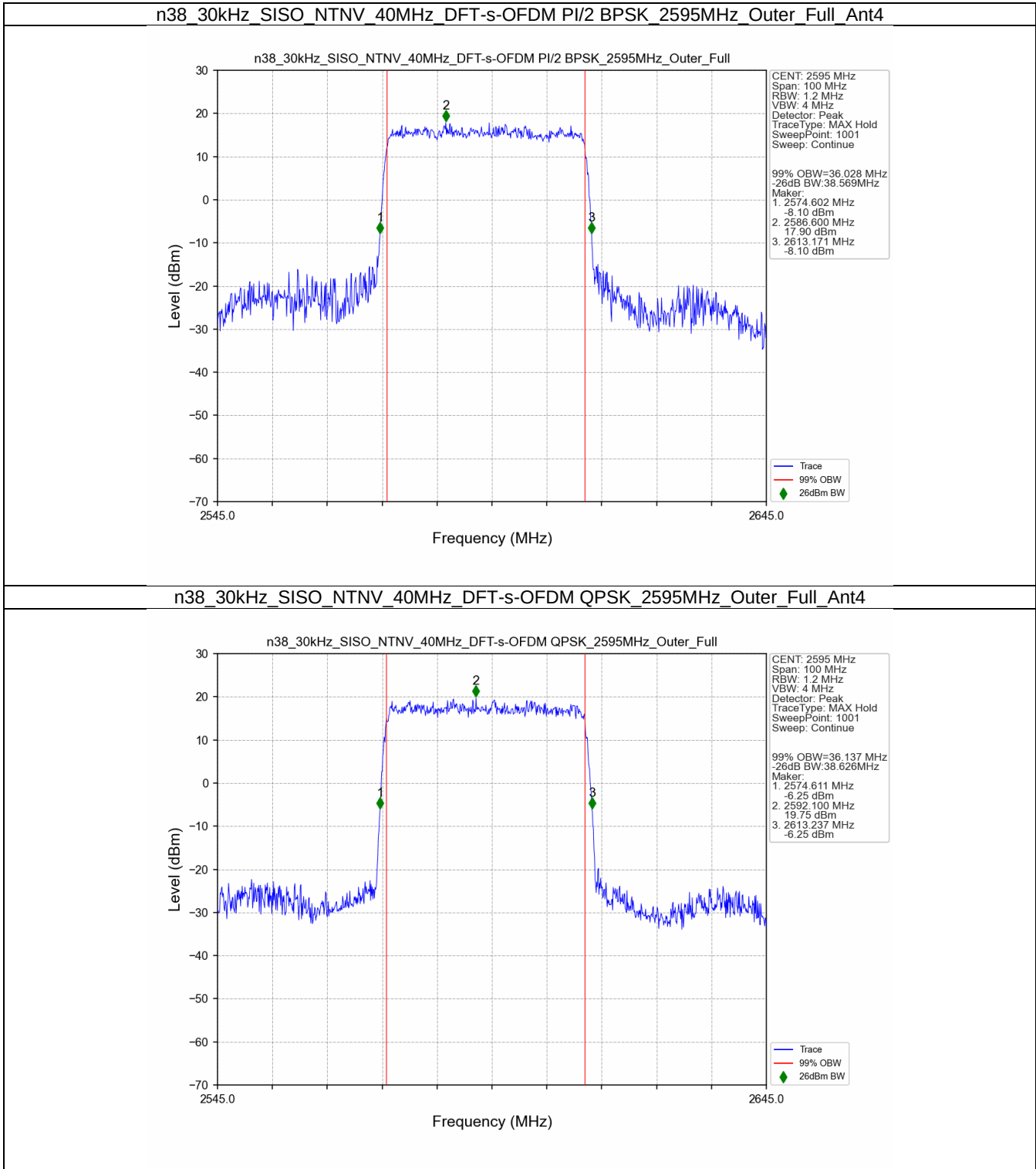


n38_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM 2595MHz_Outer_Full_Ant4

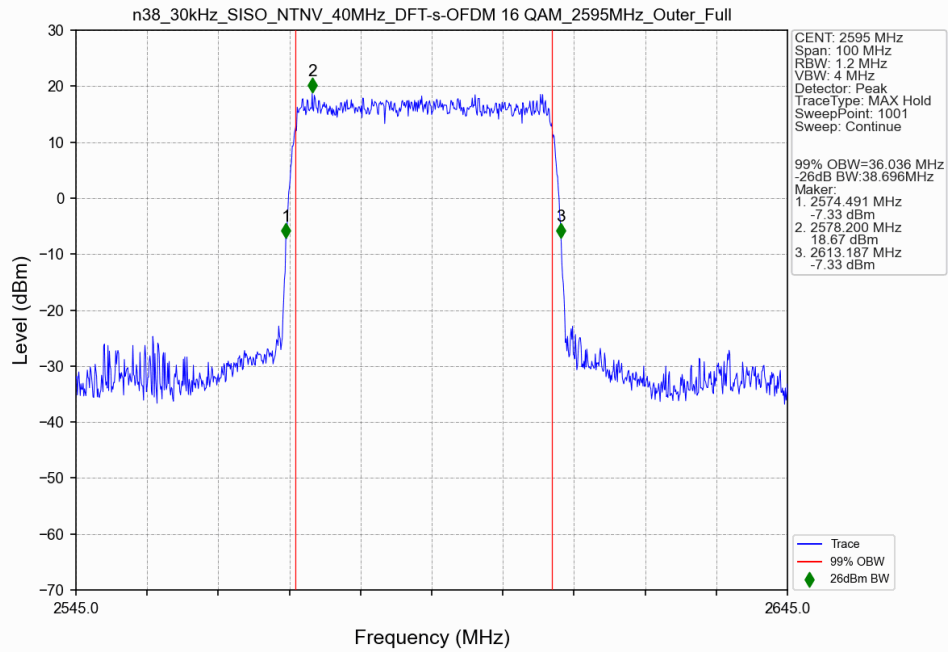




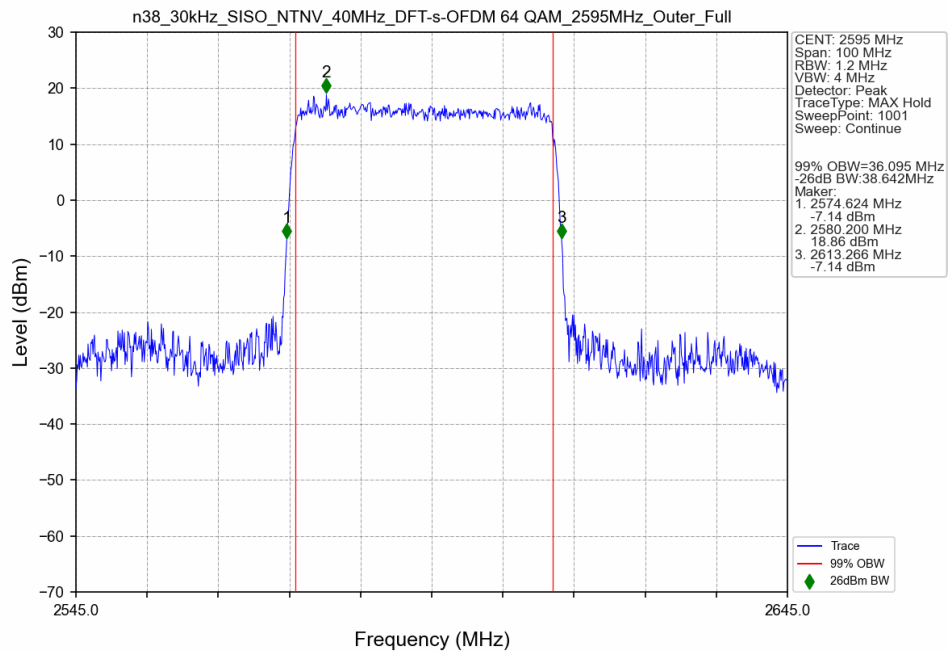
3.2.6 30_S_40M_NTNV

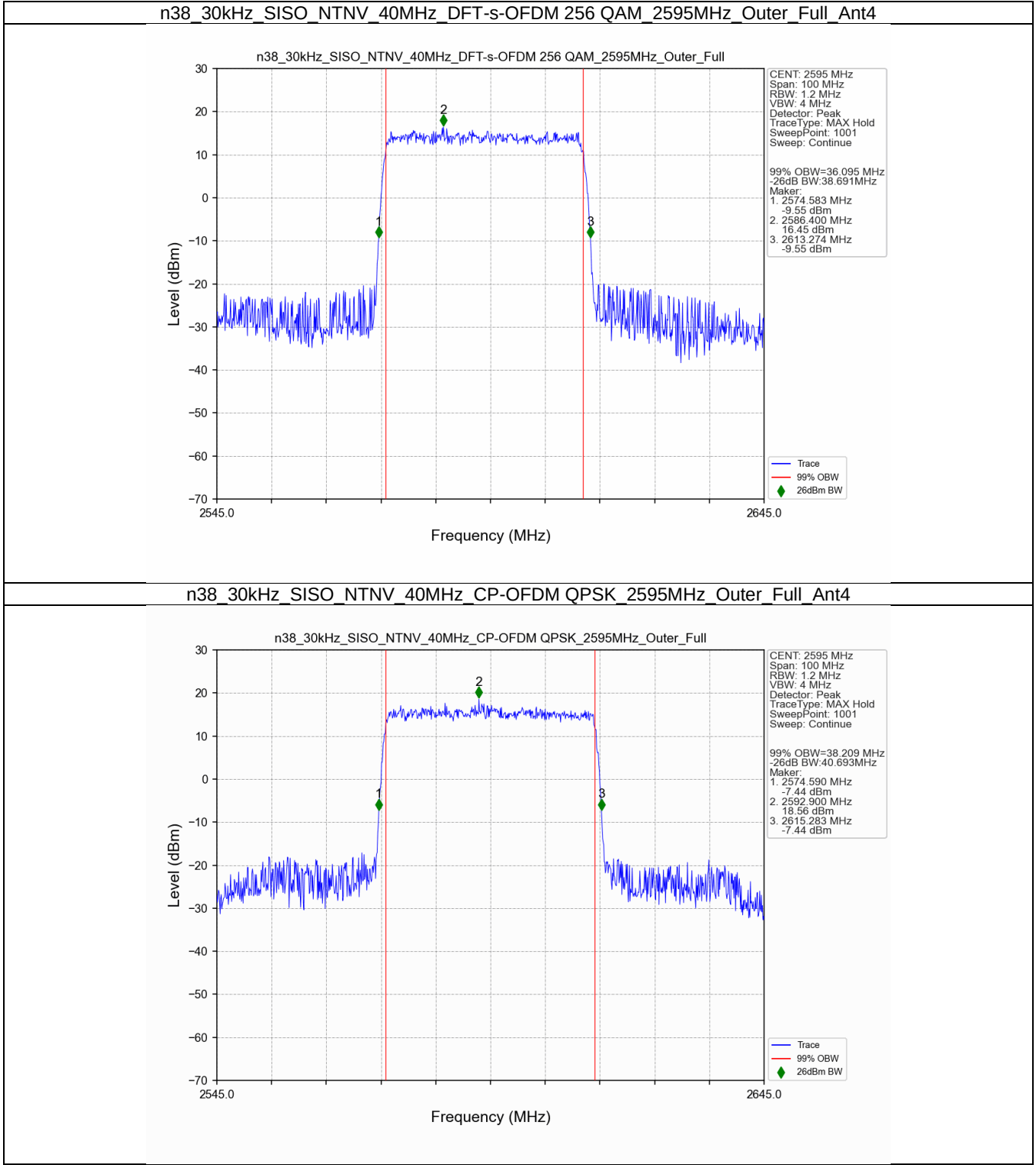


n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_2595MHz_Outer_Full_Ant4

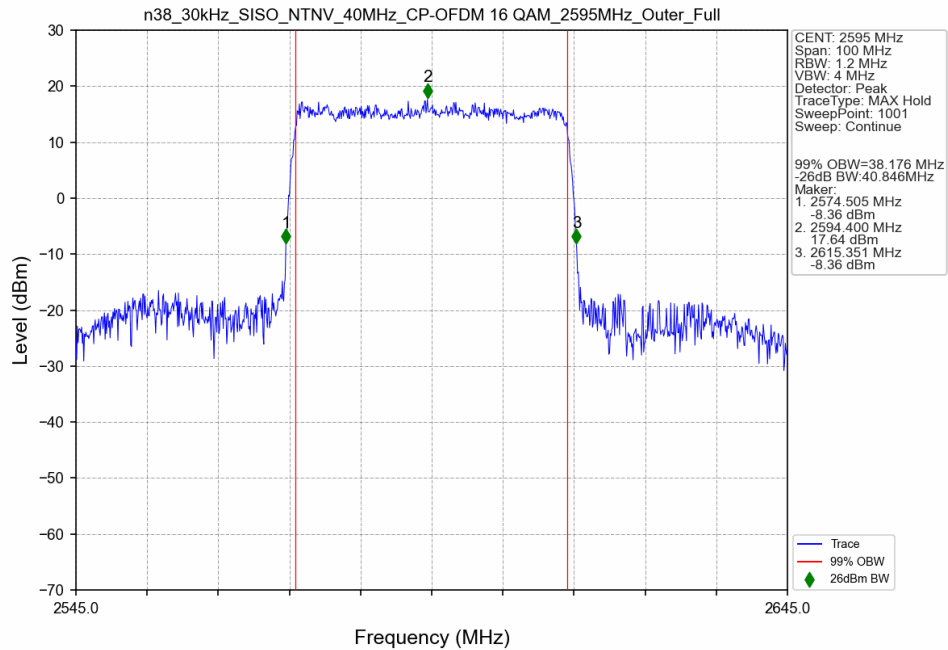


n38_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_2595MHz_Outer_Full_Ant4

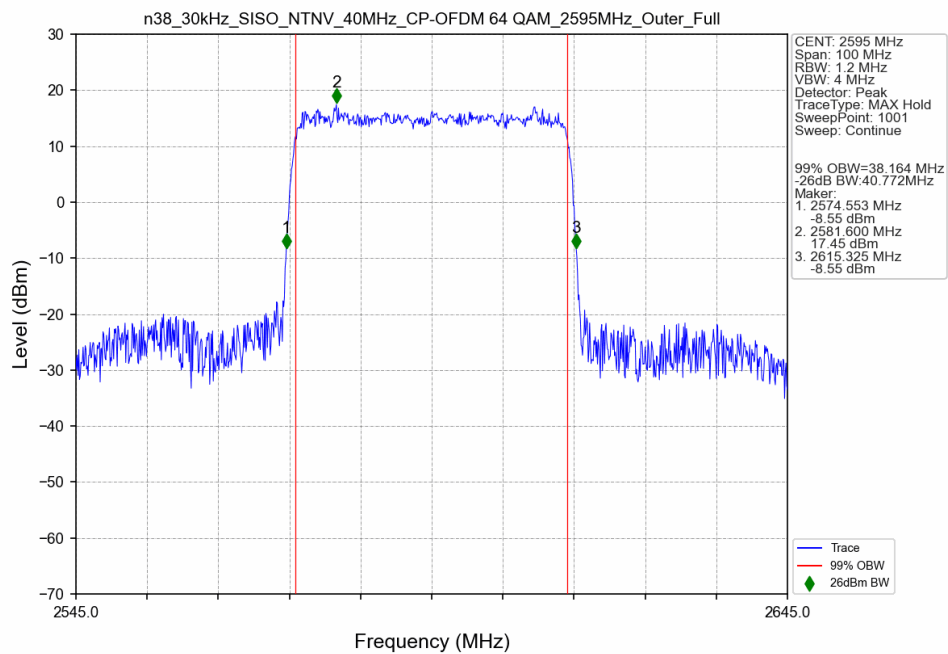


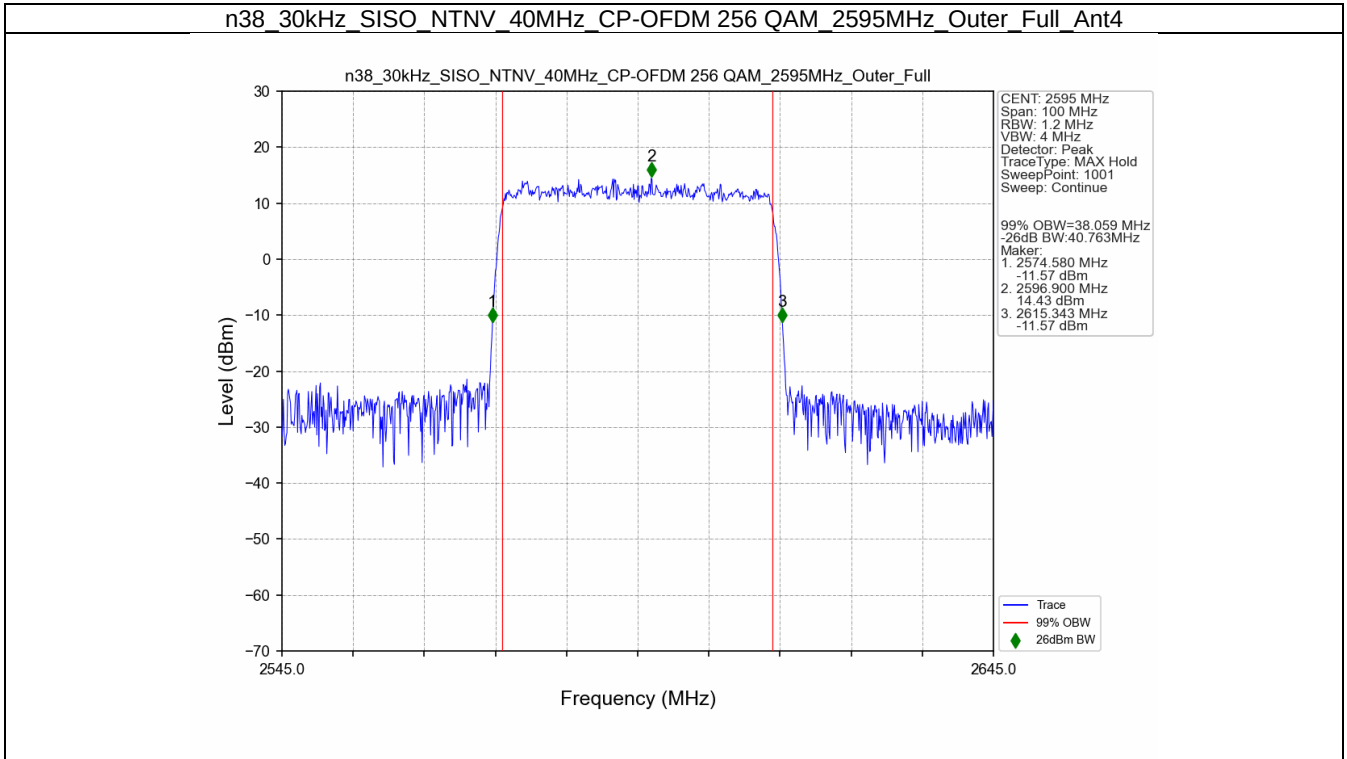


n38_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM 2595MHz_Outer_Full_Ant4



n38_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM 2595MHz_Outer_Full_Ant4





4. Peak-Average Ratio

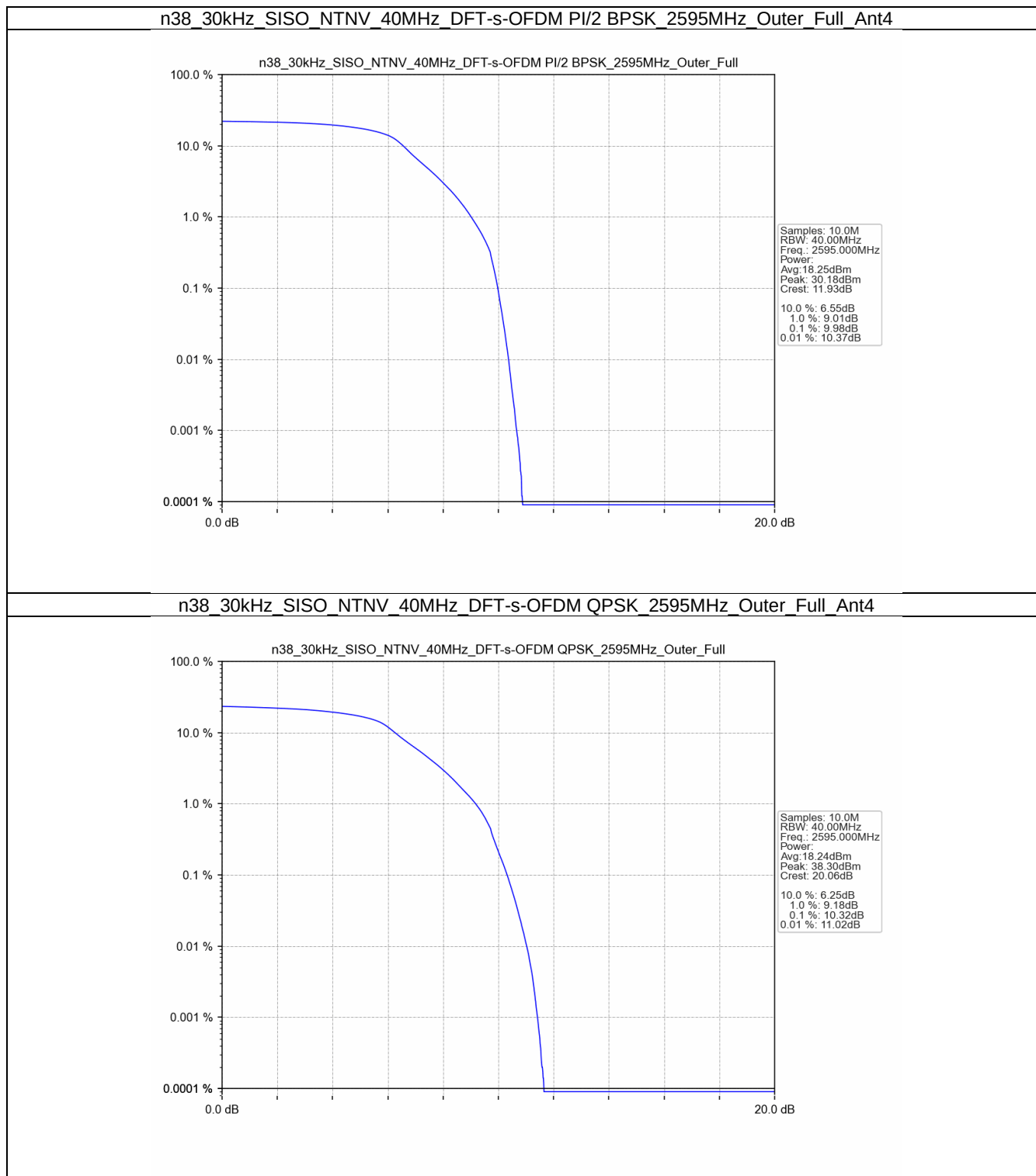
4.1 Test Result

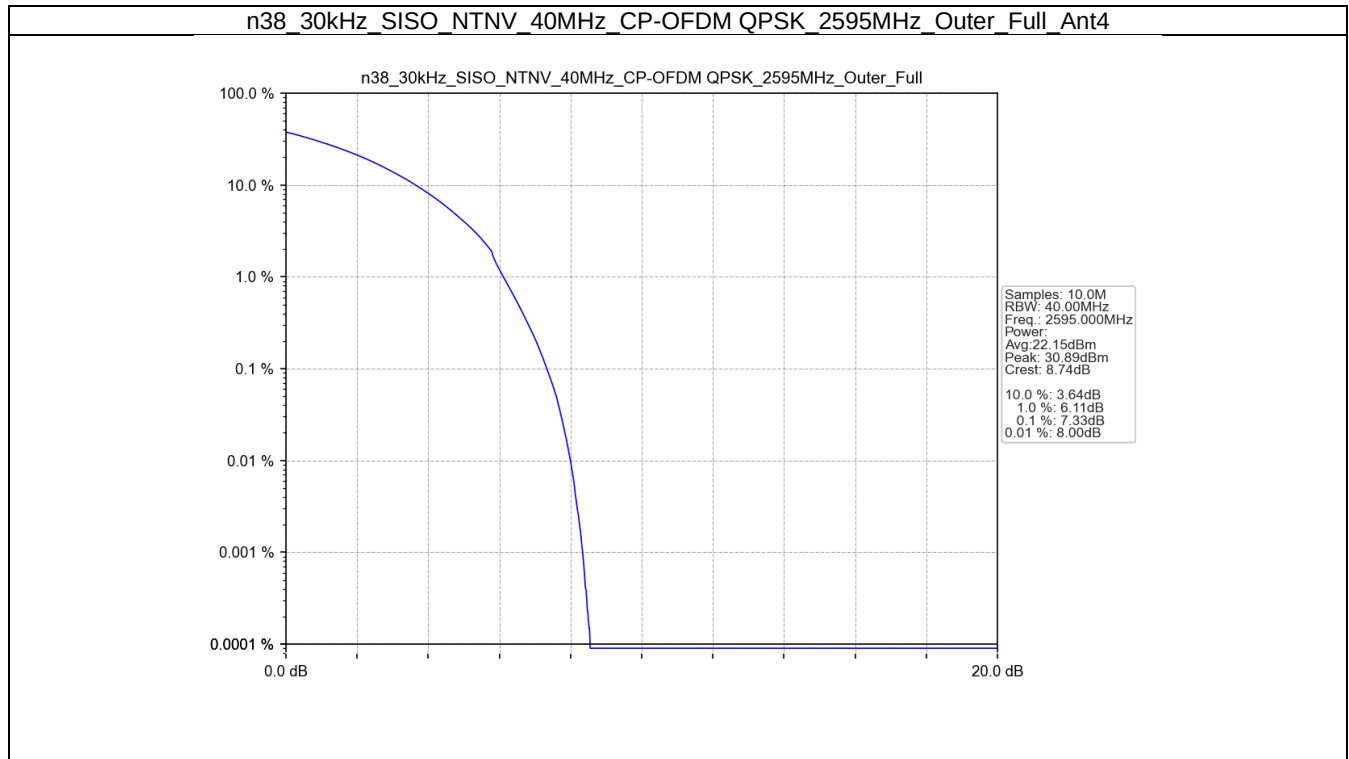
4.1.1 30_S_40M_NTNV

5G NR n38 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2595	Outer_Full	9.98	/	/	<=13	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	10.32	/	/	<=13	Pass
CP-OFDM QPSK	2595	Outer_Full	7.33	/	/	<=13	Pass

4.2 Test Graph

4.2.1 30_S_40M_NTNV





5. Spurious Emission

5.1 Test Result

5.1.1 30_S_10M_NTNV

5G NR n38 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2575	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2575	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2575	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.2 30_S_25M_NTNV

5G NR n38 SCS=30kHz SISO 25MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2582.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2607.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2582.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2607.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2582.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2607.5	Outer_Full	Refer To Test Graph				Pass

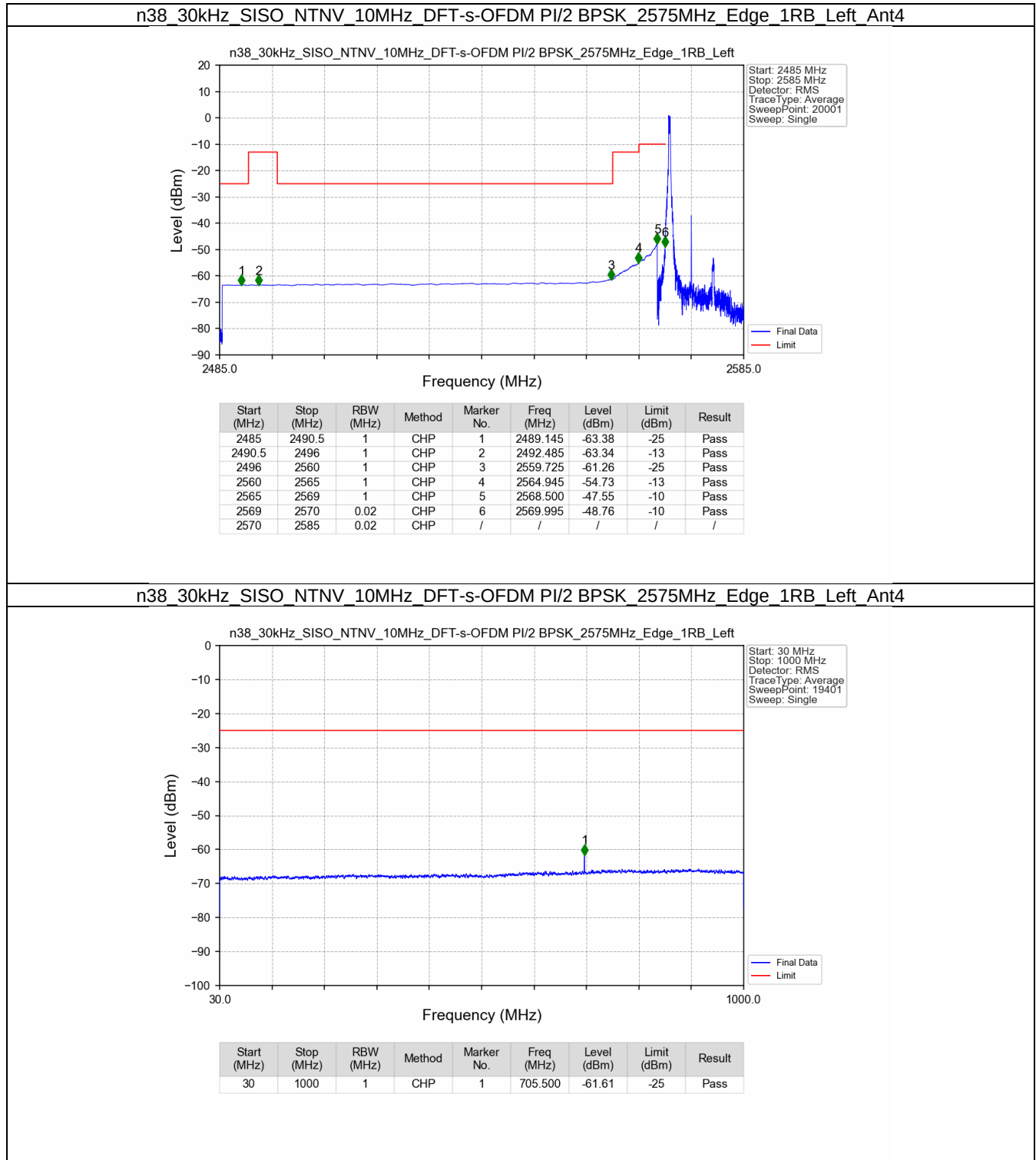
5.1.3 30_S_40M_NTNV

5G NR n38 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant4	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2590	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2595	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2590	Edge_1RB_Left	Refer To Test Graph				Pass

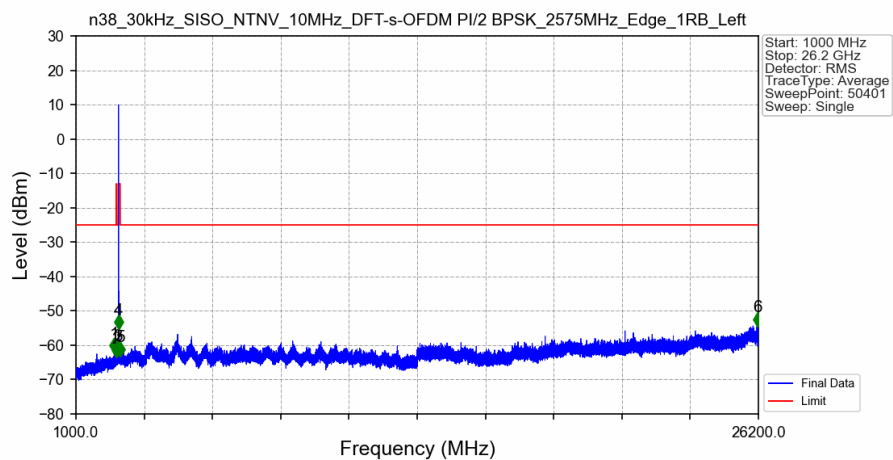
		Outer_Full	Refer To Test Graph	Pass
	2595	Edge_1RB_Left	Refer To Test Graph	Pass
	2600	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
CP-OFDM QPSK	2590	Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
	2595	Edge_1RB_Left	Refer To Test Graph	Pass
	2600	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass

5.2 Test Graph

5.2.1 30_S_10M_NTNV

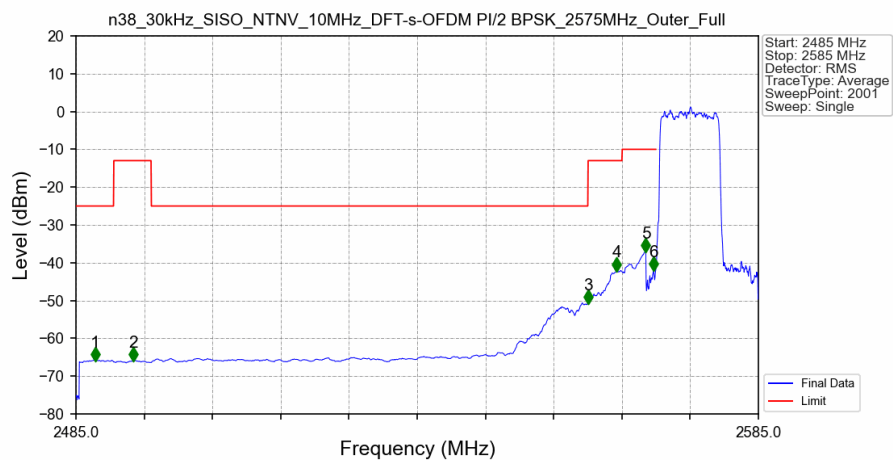


n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2575MHz_Edge_1RB_Left_Ant4



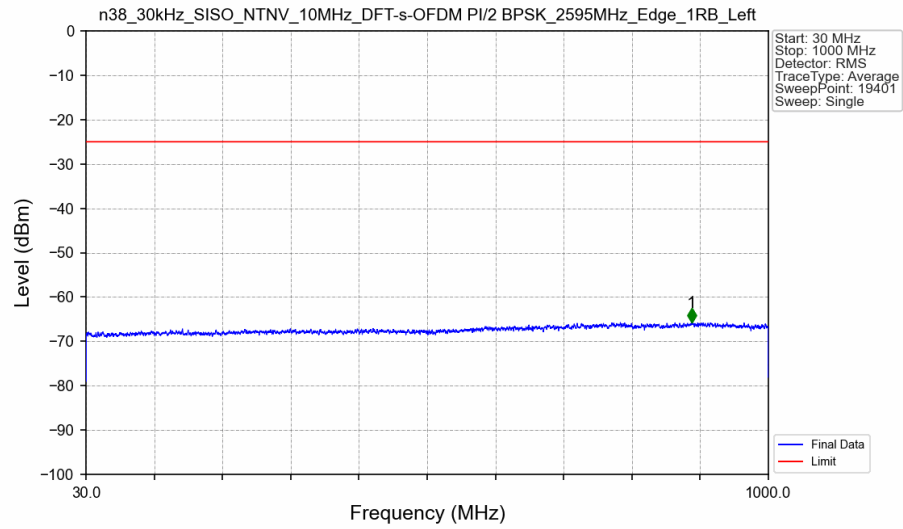
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2413.500	-61.76	-25	Pass
2490.5	2496	1	/	2	2496.000	-63.15	-13	Pass
2496	2560	1	/	3	2559.000	-62.51	-25	Pass
2560	2565	1	/	4	2564.500	-54.92	-13	Pass
2565	2625	1	/	/	/	/	/	/
2625	2630	1	/	5	2626.500	-62.83	-13	Pass
2630	26200	1	/	6	26173.000	-54.17	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2575MHz_Outer_Full_Ant4



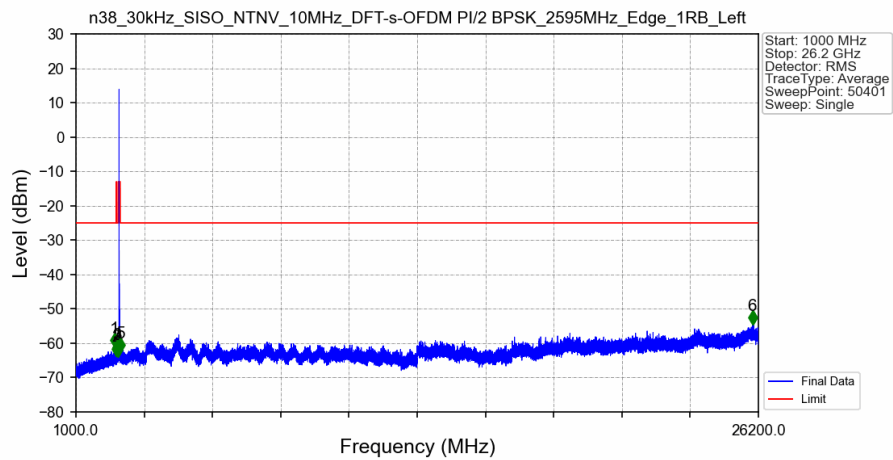
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.800	-65.76	-25	Pass
2490.5	2496	1	CHP	2	2493.450	-65.79	-13	Pass
2496	2560	1	CHP	3	2560.000	-50.61	-25	Pass
2560	2565	1	CHP	4	2564.250	-41.98	-13	Pass
2565	2569	1	CHP	5	2568.500	-36.90	-10	Pass
2569	2570	0.192	CHP	6	2569.650	-41.91	-10	Pass
2570	2585	0.192	CHP	/	/	/	/	/

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2595MHz_Edge_1RB_Left_Ant4



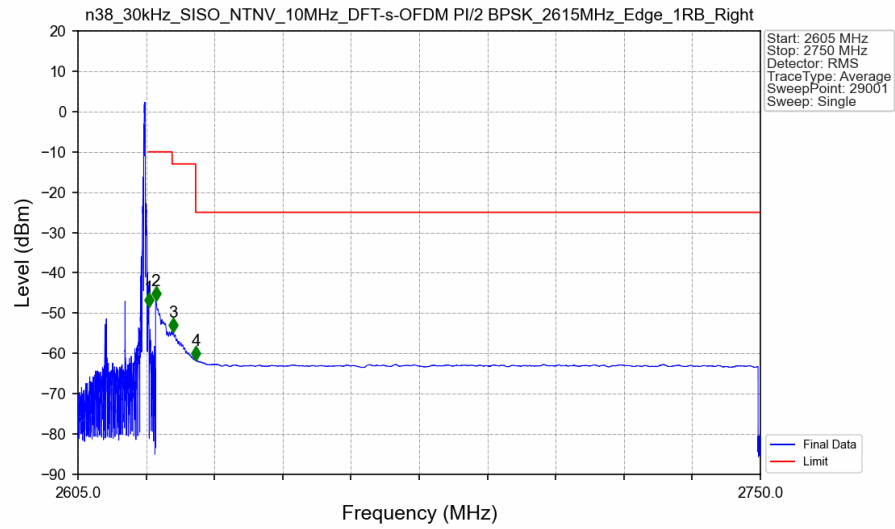
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	890.800	-65.63	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2595MHz_Edge_1RB_Left_Ant4



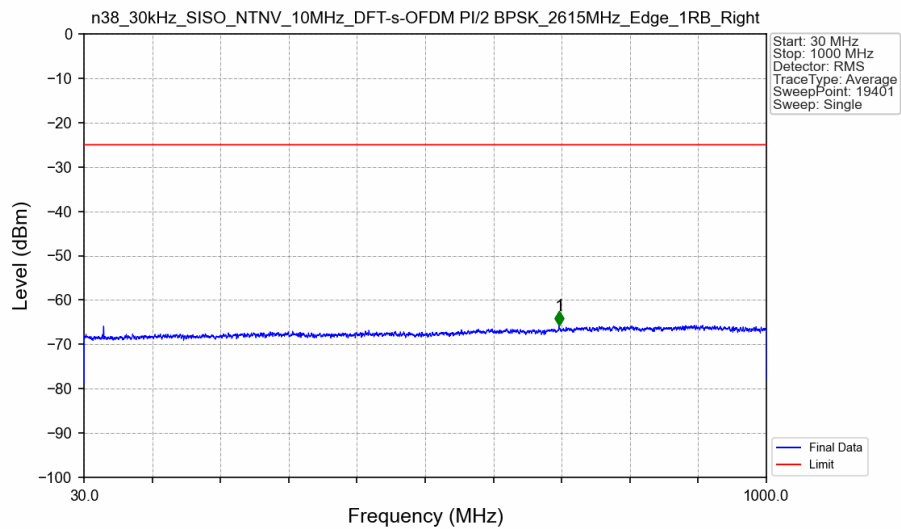
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2415.500	-60.85	-25	Pass
2490.5	2496	1	/	2	2492.000	-63.33	-13	Pass
2496	2560	1	/	3	2507.500	-62.83	-25	Pass
2560	2565	1	/	4	2562.500	-63.55	-13	Pass
2565	2625	1	/	/	/	/	/	/
2625	2630	1	/	5	2627.500	-62.22	-13	Pass
2630	26200	1	/	6	25978.000	-54.33	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2615MHz_Edge_1RB_Right_Ant4



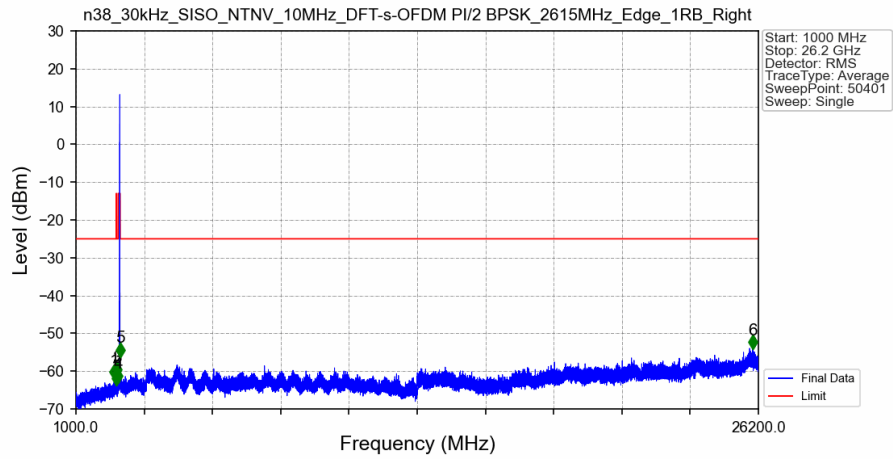
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-48.55	-10	Pass
2621	2625	1	CHP	2	2621.570	-46.91	-10	Pass
2625	2630	1	CHP	3	2625.250	-54.72	-13	Pass
2630	2750	1	CHP	4	2630.095	-61.62	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2615MHz_Edge_1RB_Right_Ant4



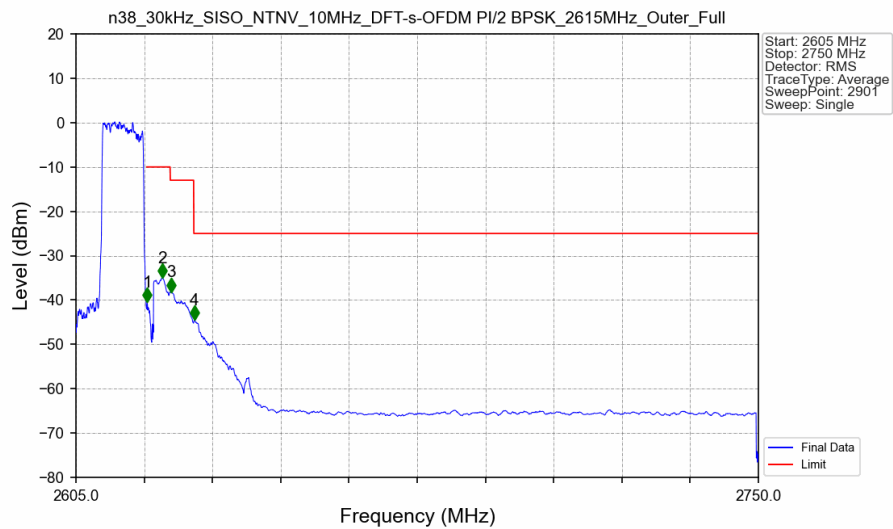
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	705.500	-65.69	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2615MHz_Edge_1RB_Right_Ant4



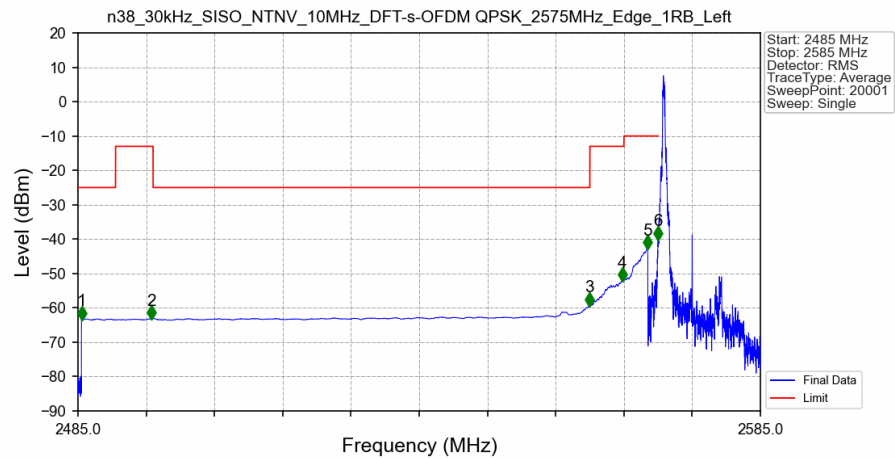
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2413.000	-61.84	-25	Pass
2490.5	2496	1	/	2	2492.500	-63.47	-13	Pass
2496	2560	1	/	3	2530.500	-61.08	-25	Pass
2560	2565	1	/	4	2562.500	-62.73	-13	Pass
2565	2625	1	/	/	/	/	/	/
2625	2630	1	/	5	2625.500	-55.93	-13	Pass
2630	26200	1	/	6	25990.500	-53.91	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2615MHz_Outer_Full_Ant4



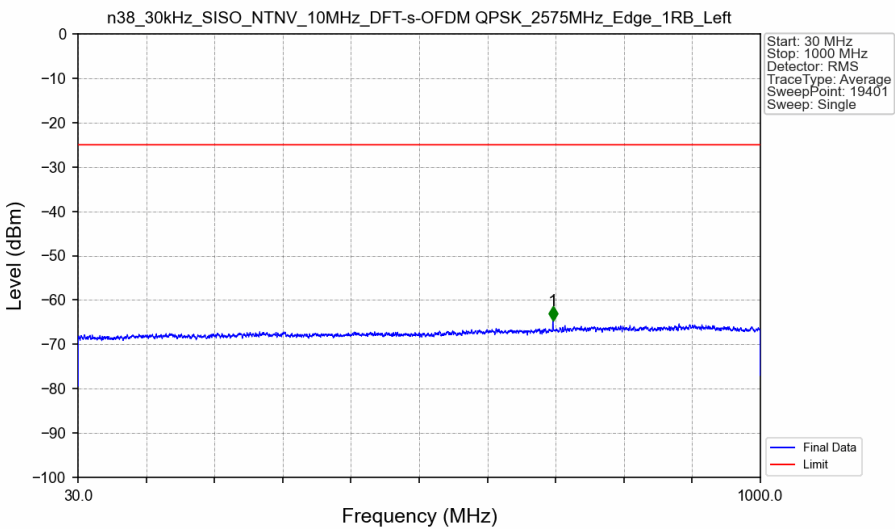
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.192	CHP	/	/	/	/	/
2620	2621	0.192	CHP	1	2620.150	-40.36	-10	Pass
2621	2625	1	CHP	2	2623.400	-35.04	-10	Pass
2625	2630	1	CHP	3	2625.300	-38.14	-13	Pass
2630	2750	1	CHP	4	2630.150	-44.50	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2575MHz_Edge_1RB_Left_Ant4



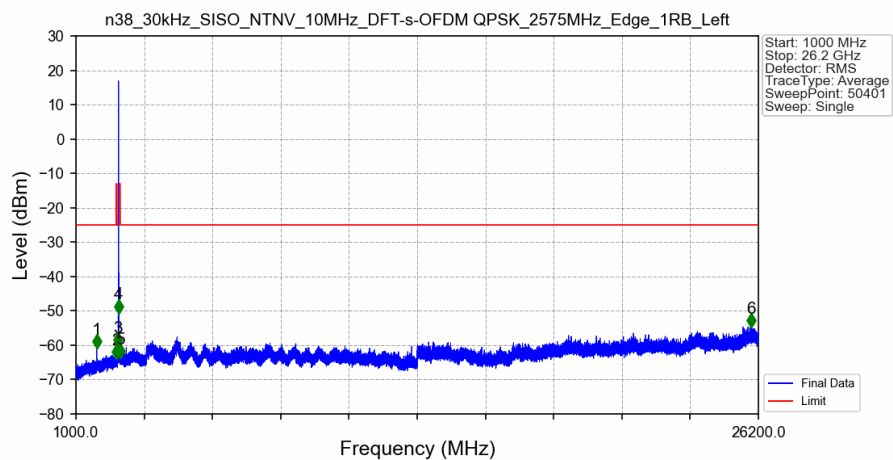
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.575	-63.19	-25	Pass
2490.5	2496	1	CHP	2	2495.805	-63.03	-13	Pass
2496	2560	1	CHP	3	2559.975	-59.24	-25	Pass
2560	2565	1	CHP	4	2564.775	-52.04	-13	Pass
2565	2569	1	CHP	5	2568.480	-42.59	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-39.94	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2575MHz_Edge_1RB_Left_Ant4



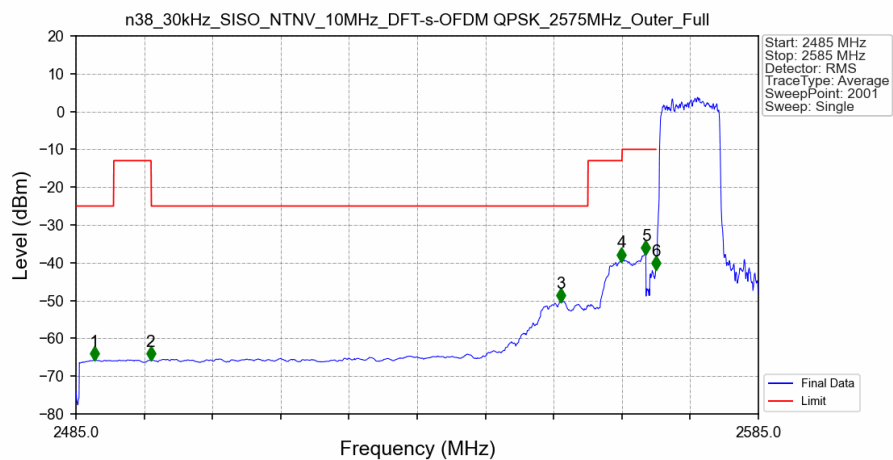
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	705.400	-64.67	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2575MHz_Edge_1RB_Left_Ant4



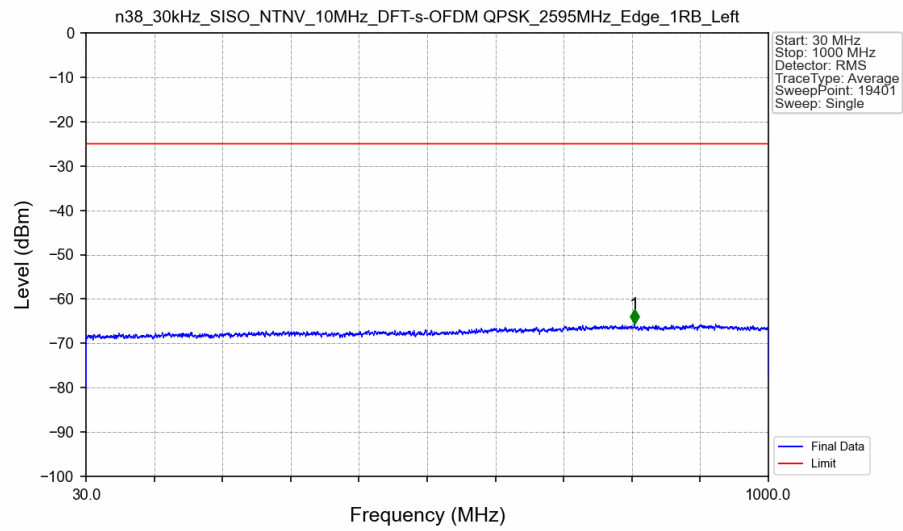
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	1766.500	-60.70	-25	Pass
2490.5	2496	1	/	2	2494.500	-63.60	-13	Pass
2496	2560	1	/	3	2560.000	-60.07	-25	Pass
2560	2565	1	/	4	2564.000	-50.43	-13	Pass
2565	2625	1	/	/	/	/	/	/
2625	2630	1	/	5	2626.500	-63.36	-13	Pass
2630	26200	1	/	6	25929.500	-54.52	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2575MHz_Outer_Full_Ant4



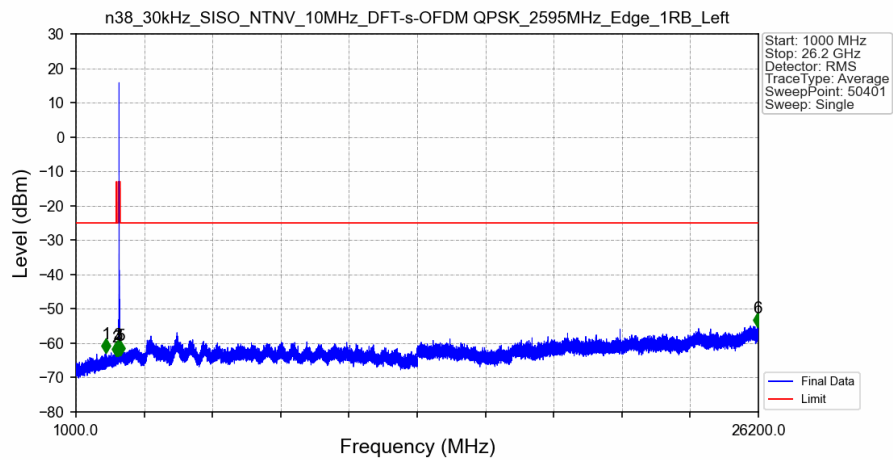
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.700	-65.64	-25	Pass
2490.5	2496	1	CHP	2	2495.950	-65.56	-13	Pass
2496	2560	1	CHP	3	2556.000	-50.18	-25	Pass
2560	2565	1	CHP	4	2564.950	-39.38	-13	Pass
2565	2569	1	CHP	5	2568.500	-37.55	-10	Pass
2569	2570	0.192	CHP	6	2569.950	-41.64	-10	Pass
2570	2585	0.192	CHP	/	/	/	/	/

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2595MHz_Edge_1RB_Left_Ant4



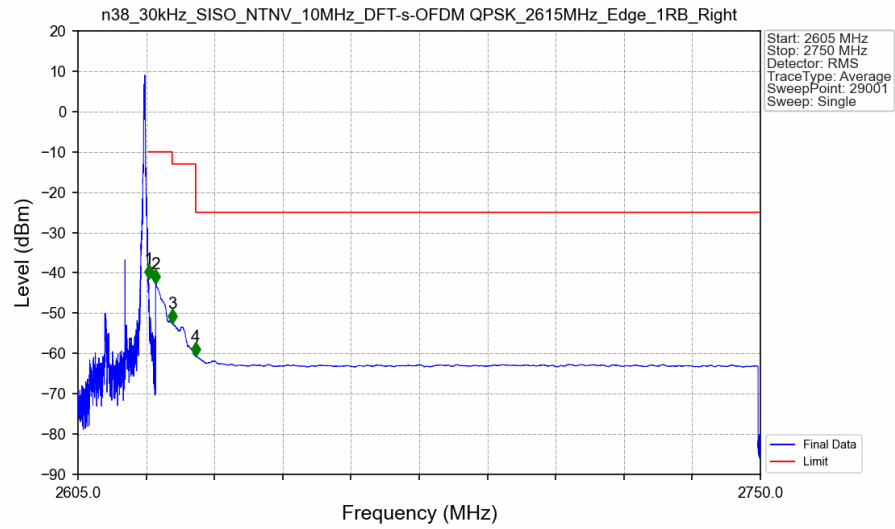
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	809.700	-65.44	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2595MHz_Edge_1RB_Left_Ant4



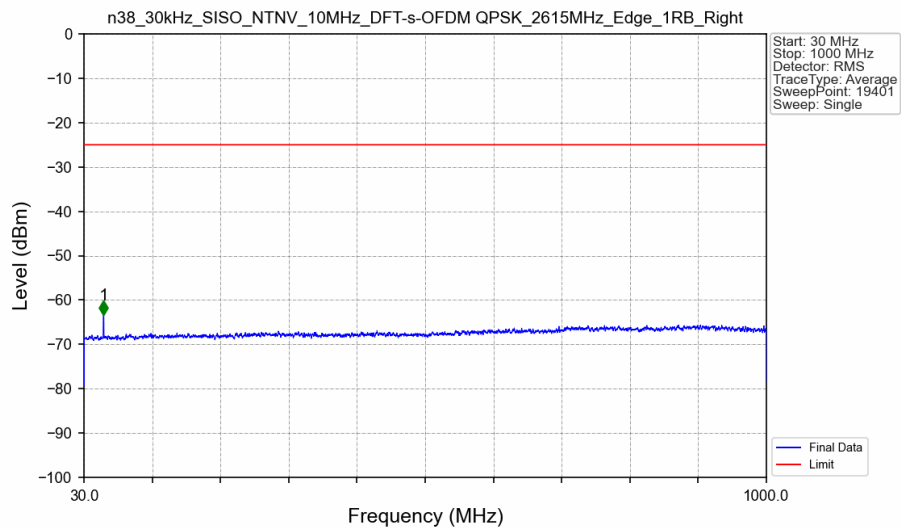
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2116.000	-62.57	-25	Pass
2490.5	2496	1	/	2	2495.500	-63.44	-13	Pass
2496	2560	1	/	3	2545.000	-62.88	-25	Pass
2560	2565	1	/	4	2562.500	-63.52	-13	Pass
2565	2625	1	/	/	/	/	/	/
2625	2630	1	/	5	2629.500	-63.11	-13	Pass
2630	26200	1	/	6	26171.000	-54.96	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2615MHz_Edge_1RB_Right_Ant4



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-41.46	-10	Pass
2621	2625	1	CHP	2	2621.500	-42.70	-10	Pass
2625	2630	1	CHP	3	2625.005	-52.53	-13	Pass
2630	2750	1	CHP	4	2630.005	-60.67	-25	Pass

n38_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2615MHz_Edge_1RB_Right_Ant4



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	57.950	-63.29	-25	Pass